

FIG. 1

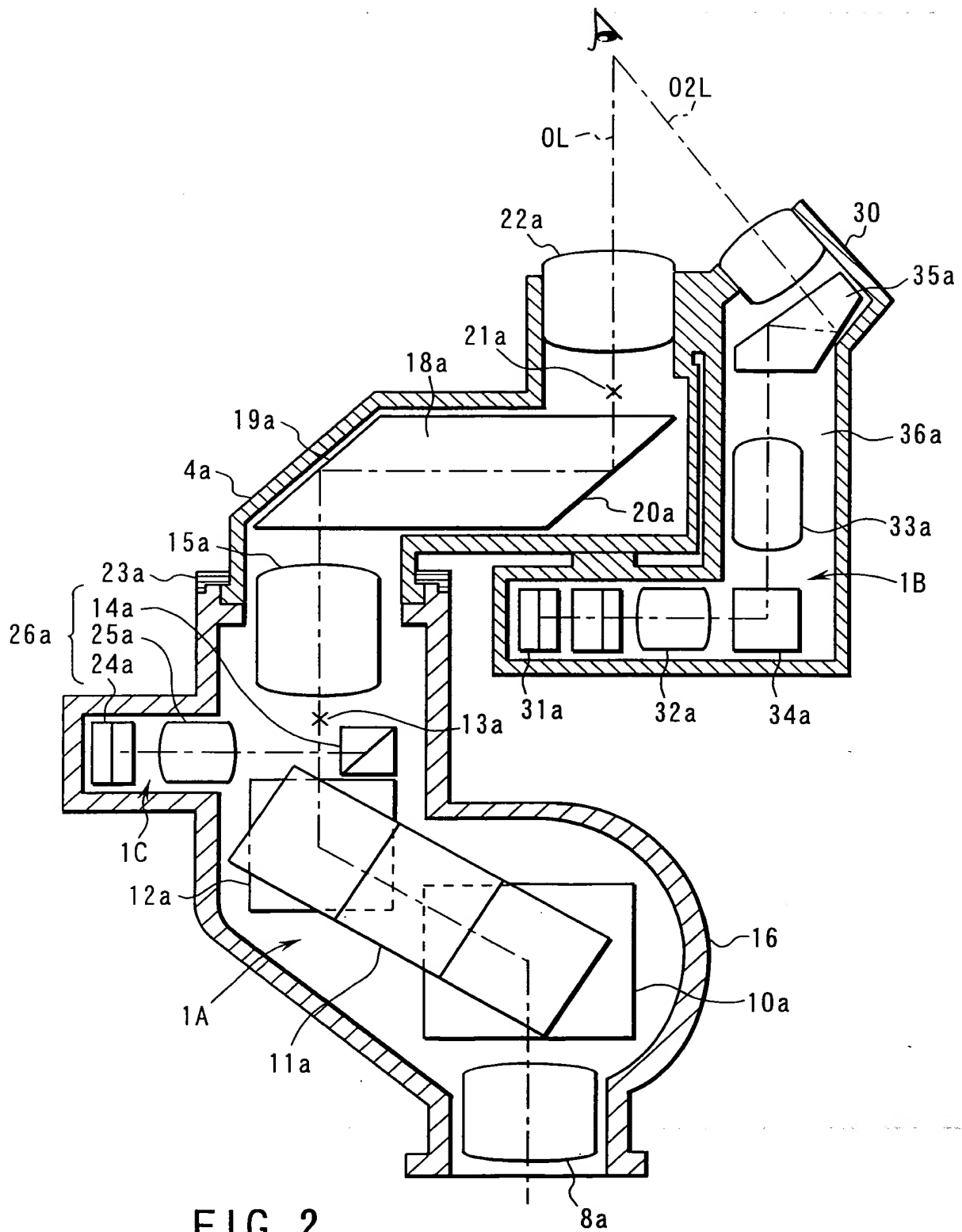


FIG. 2

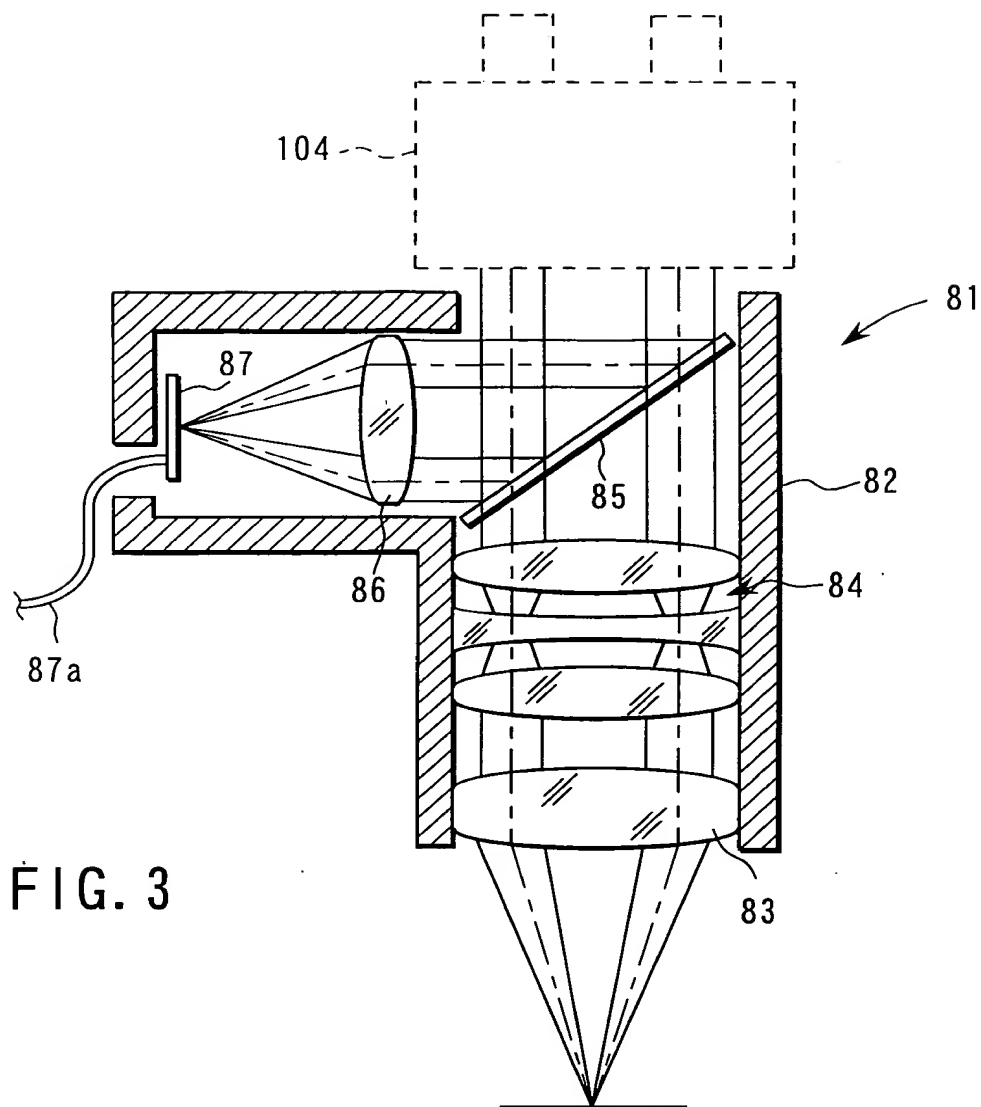


FIG. 3

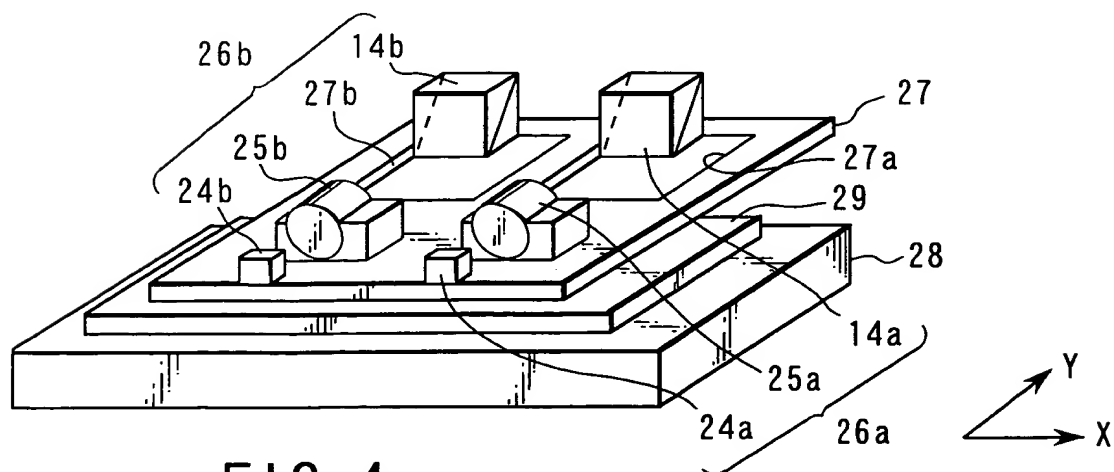


FIG. 4

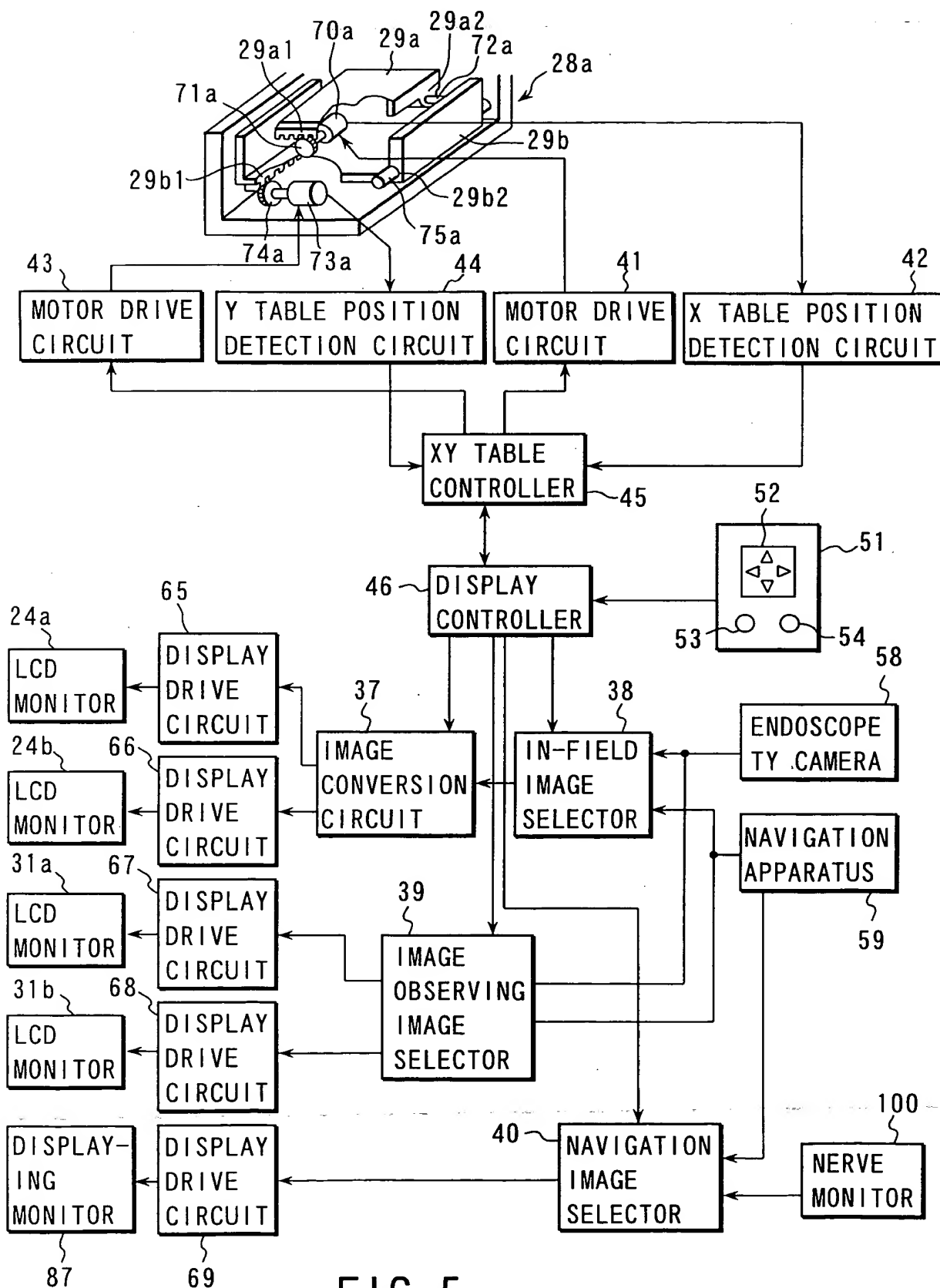


FIG. 5

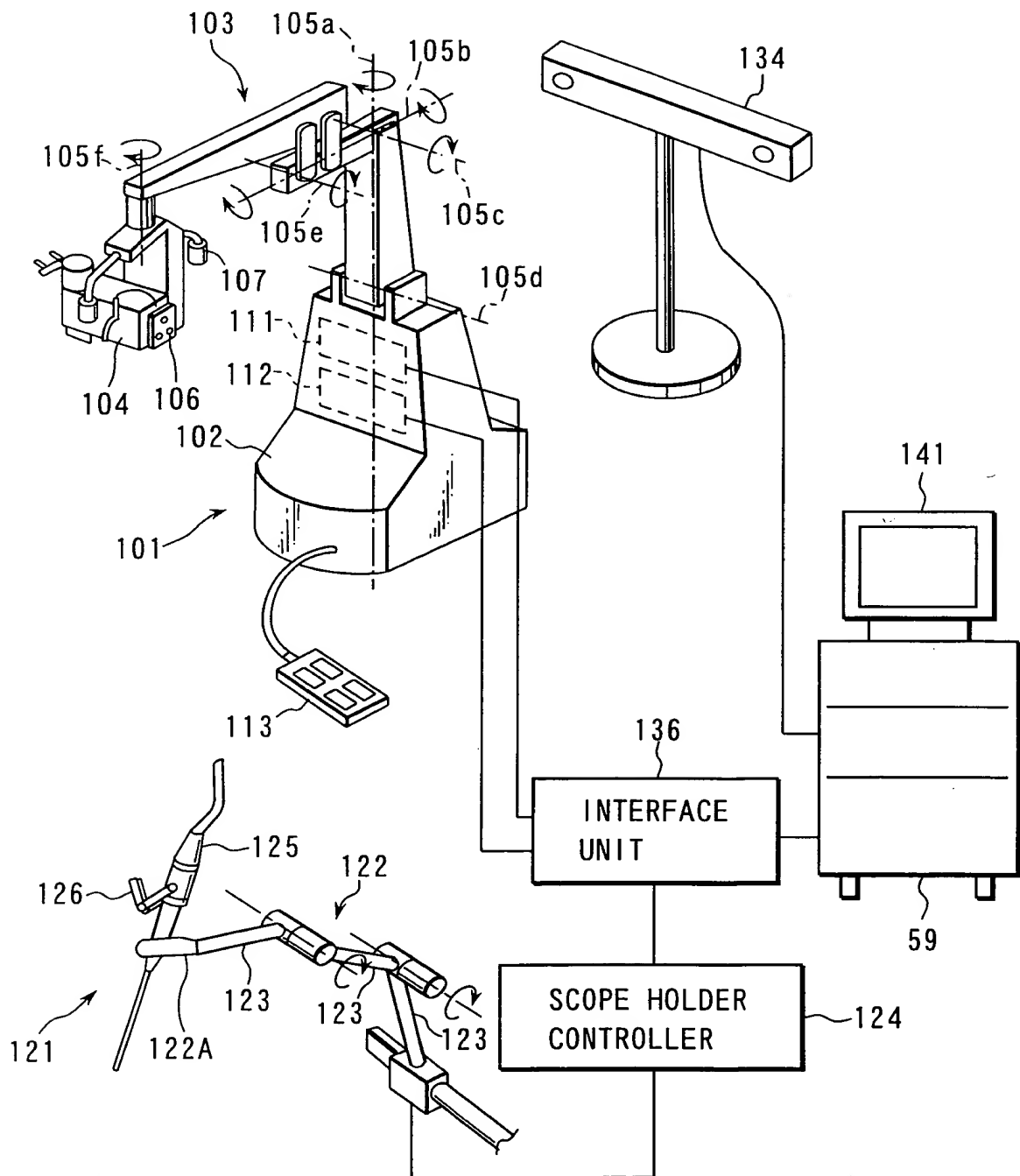


FIG. 6

FIG. 7

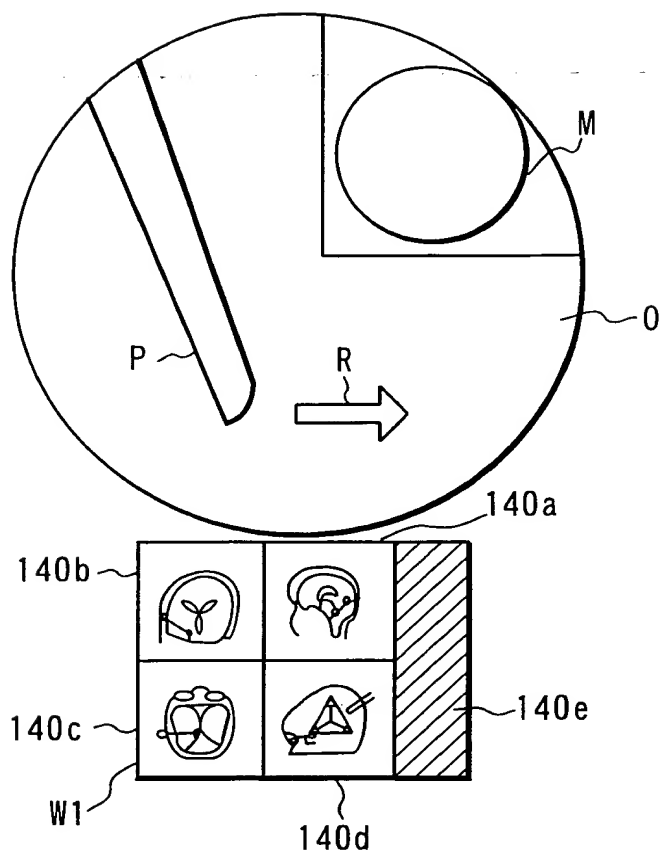
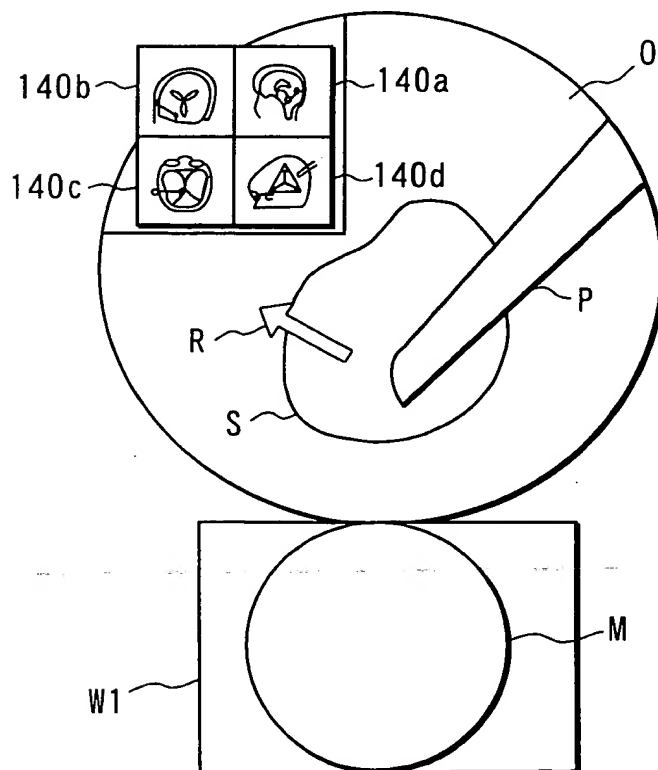


FIG. 8



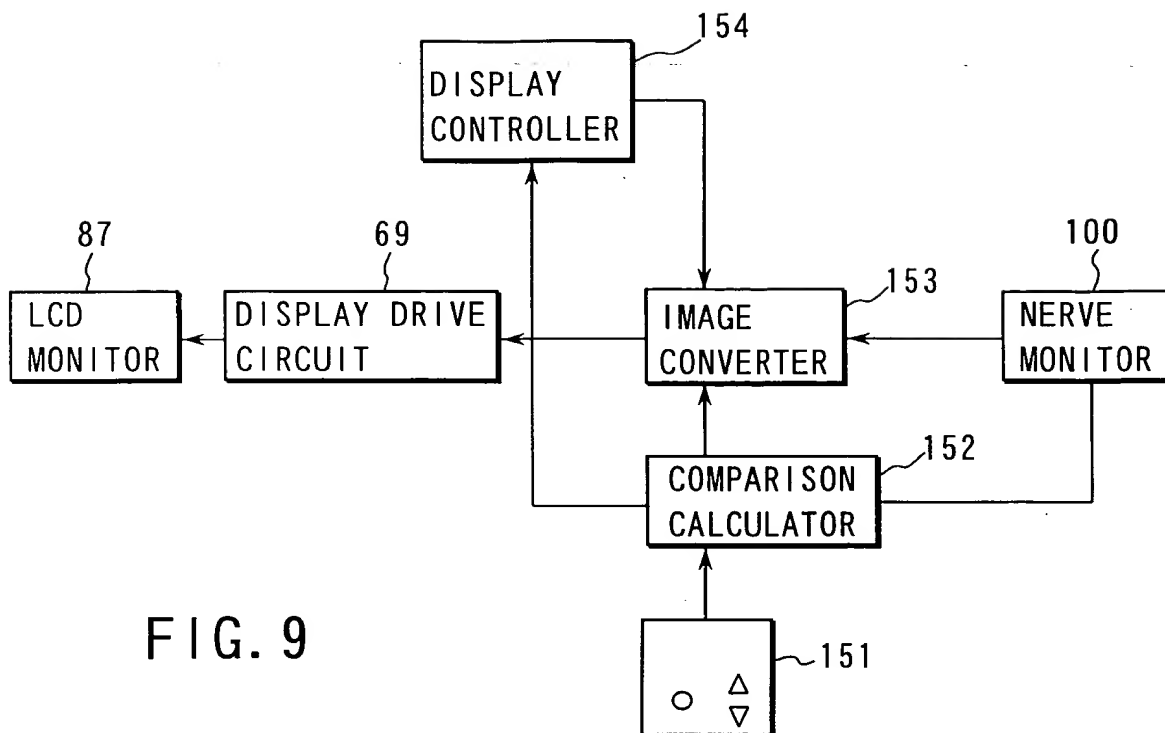


FIG. 9

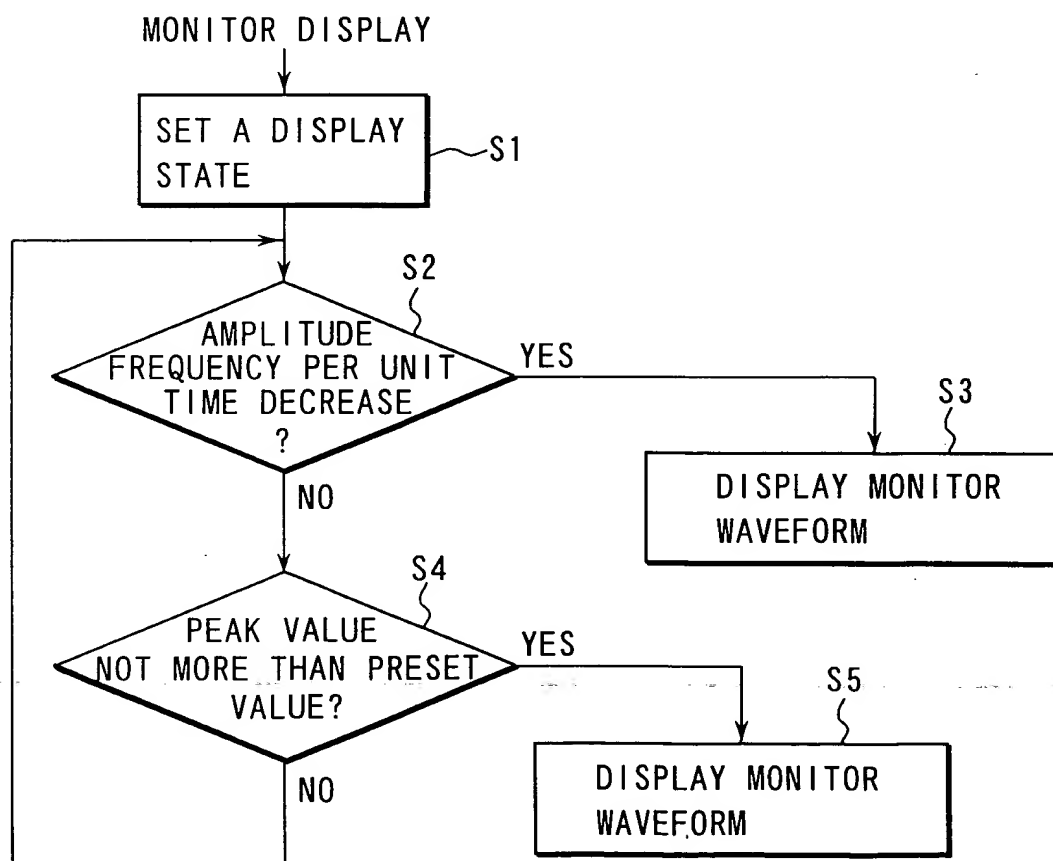


FIG. 10

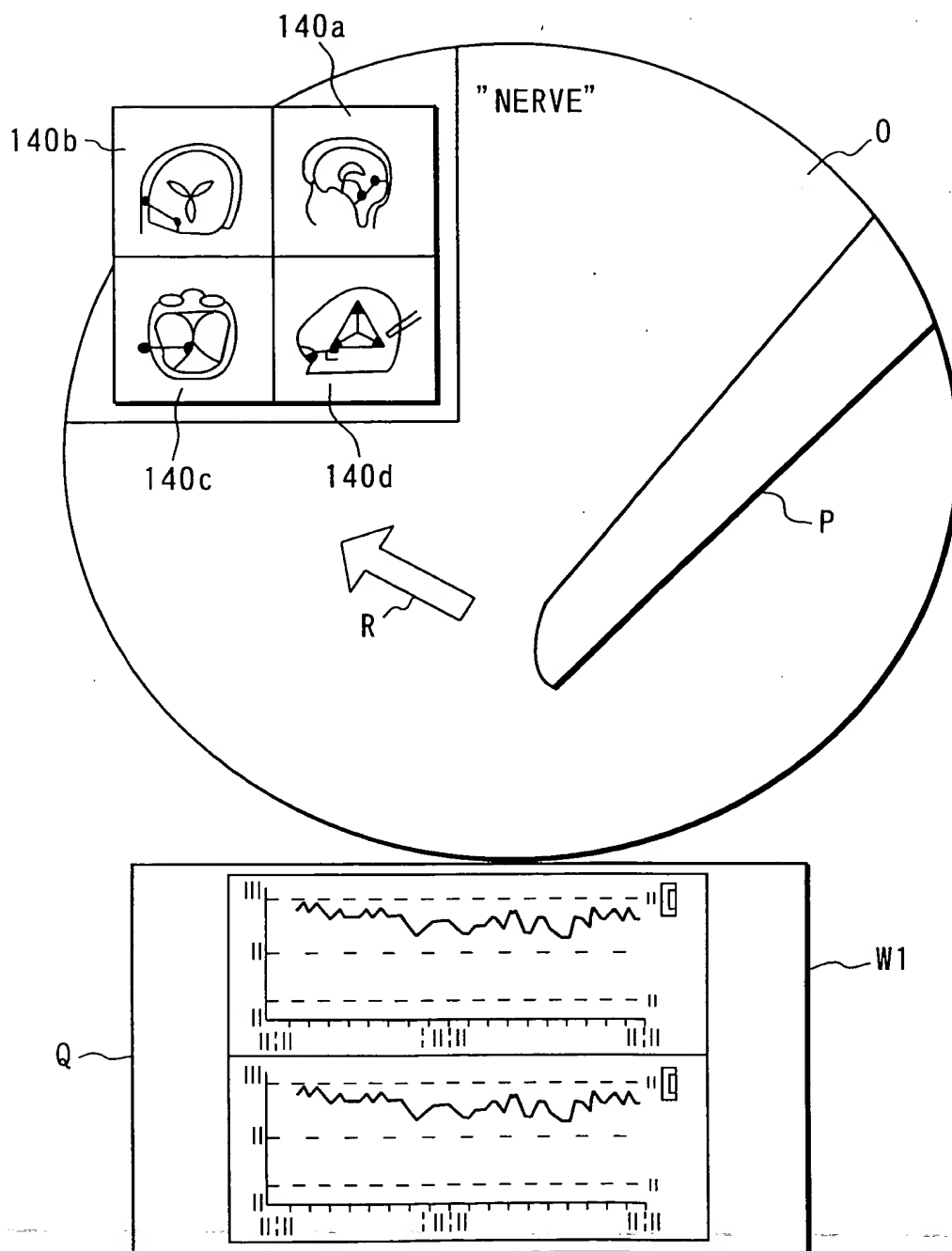


FIG. 11



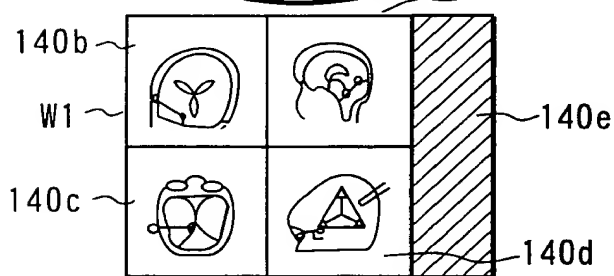
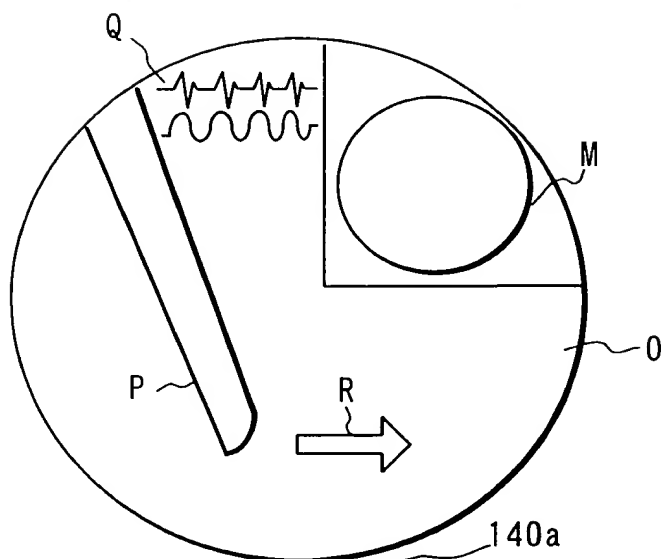


FIG. 12

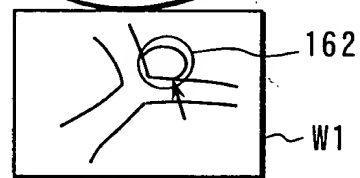
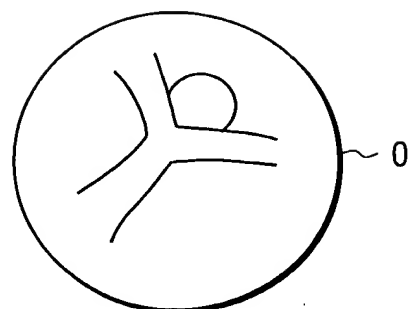


FIG. 14

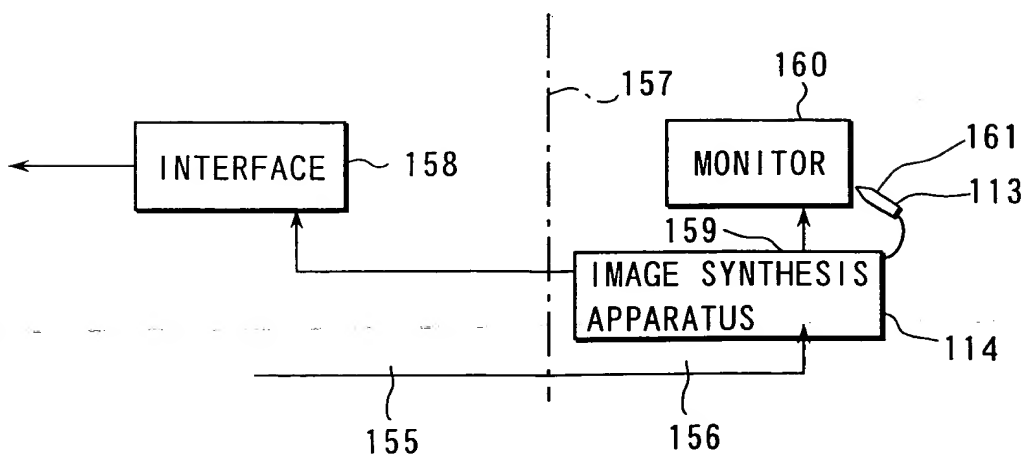


FIG. 13

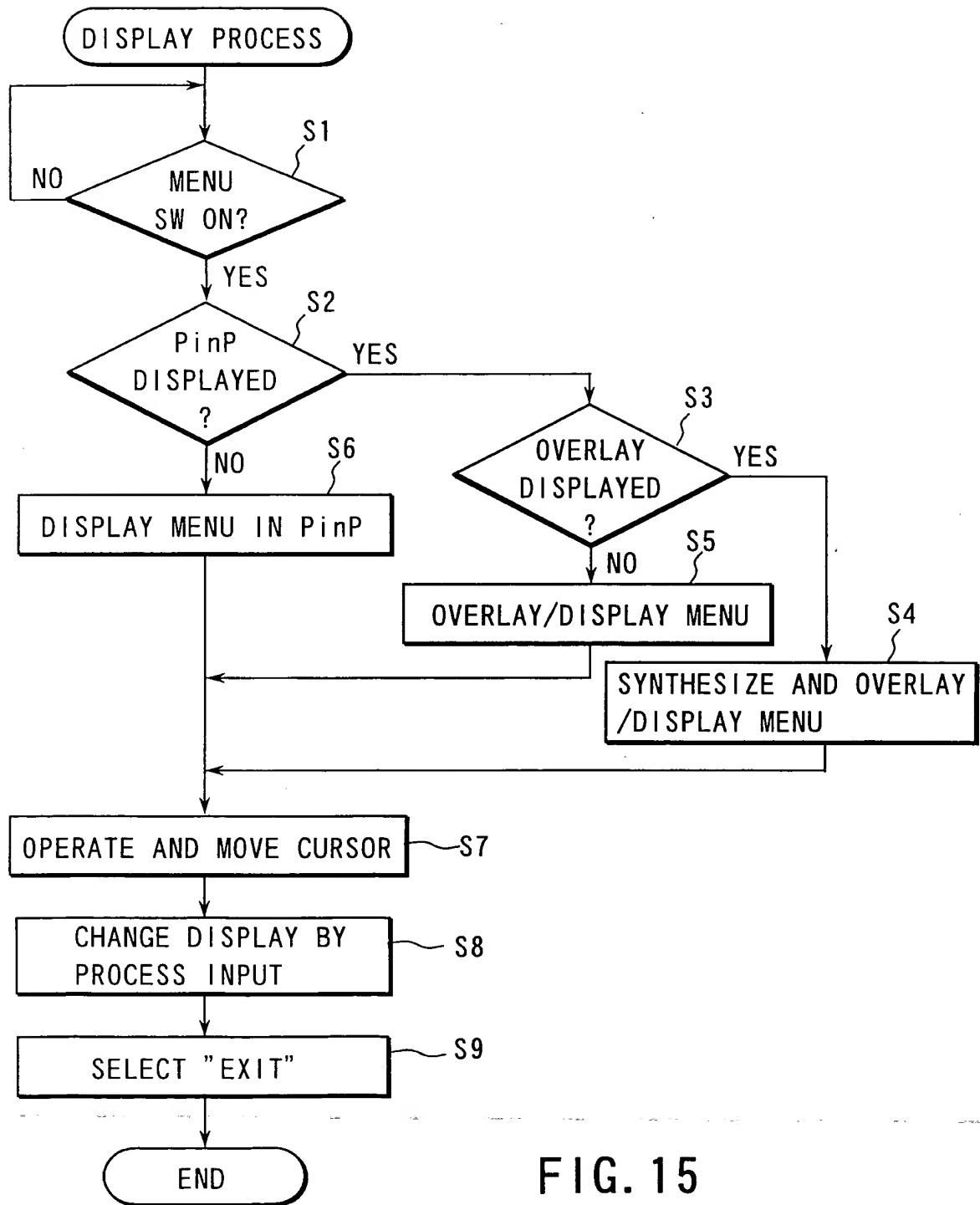


FIG. 15

FIG. 16

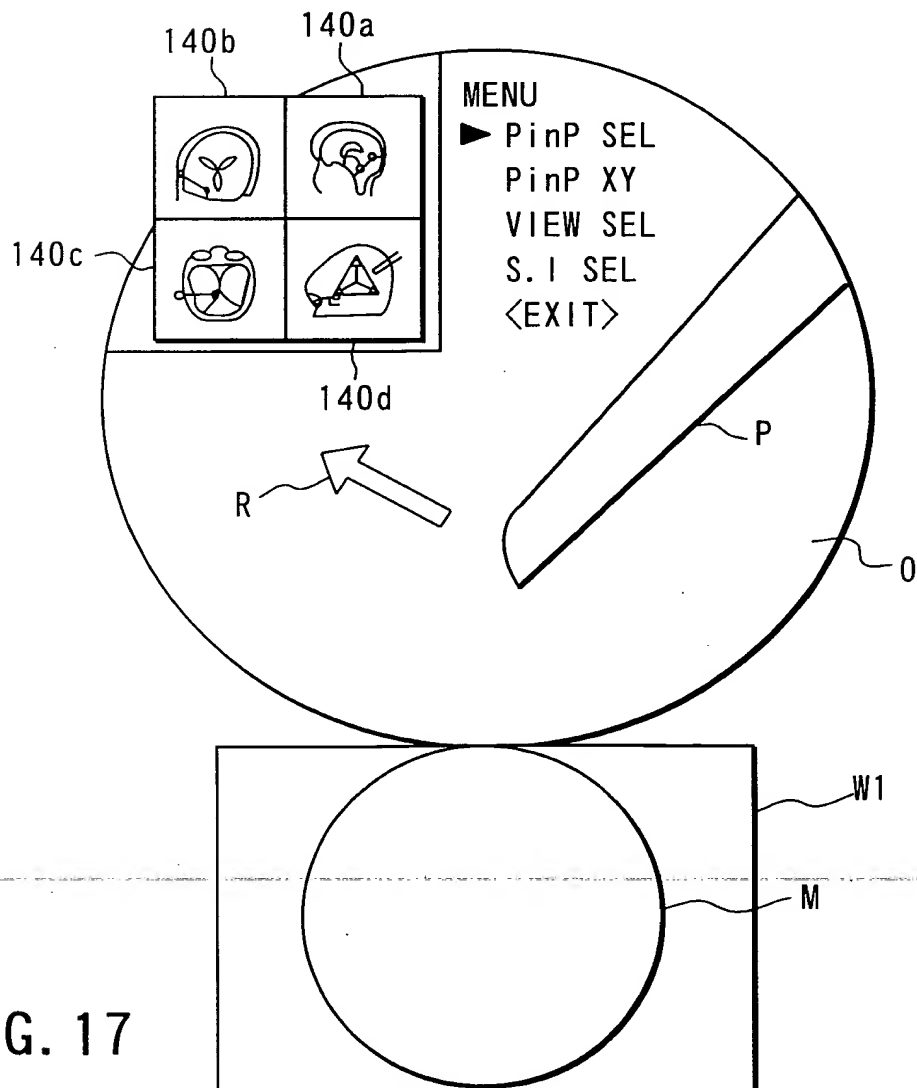
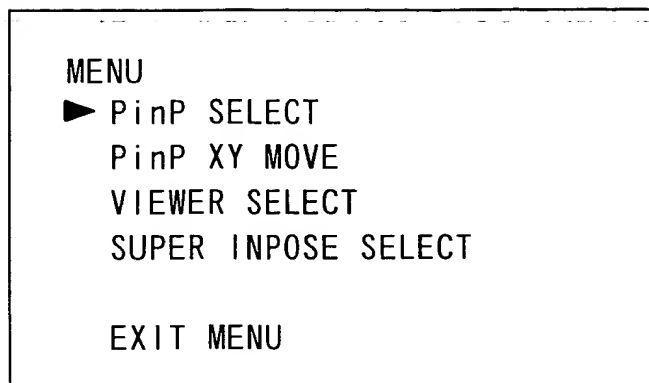


FIG. 17

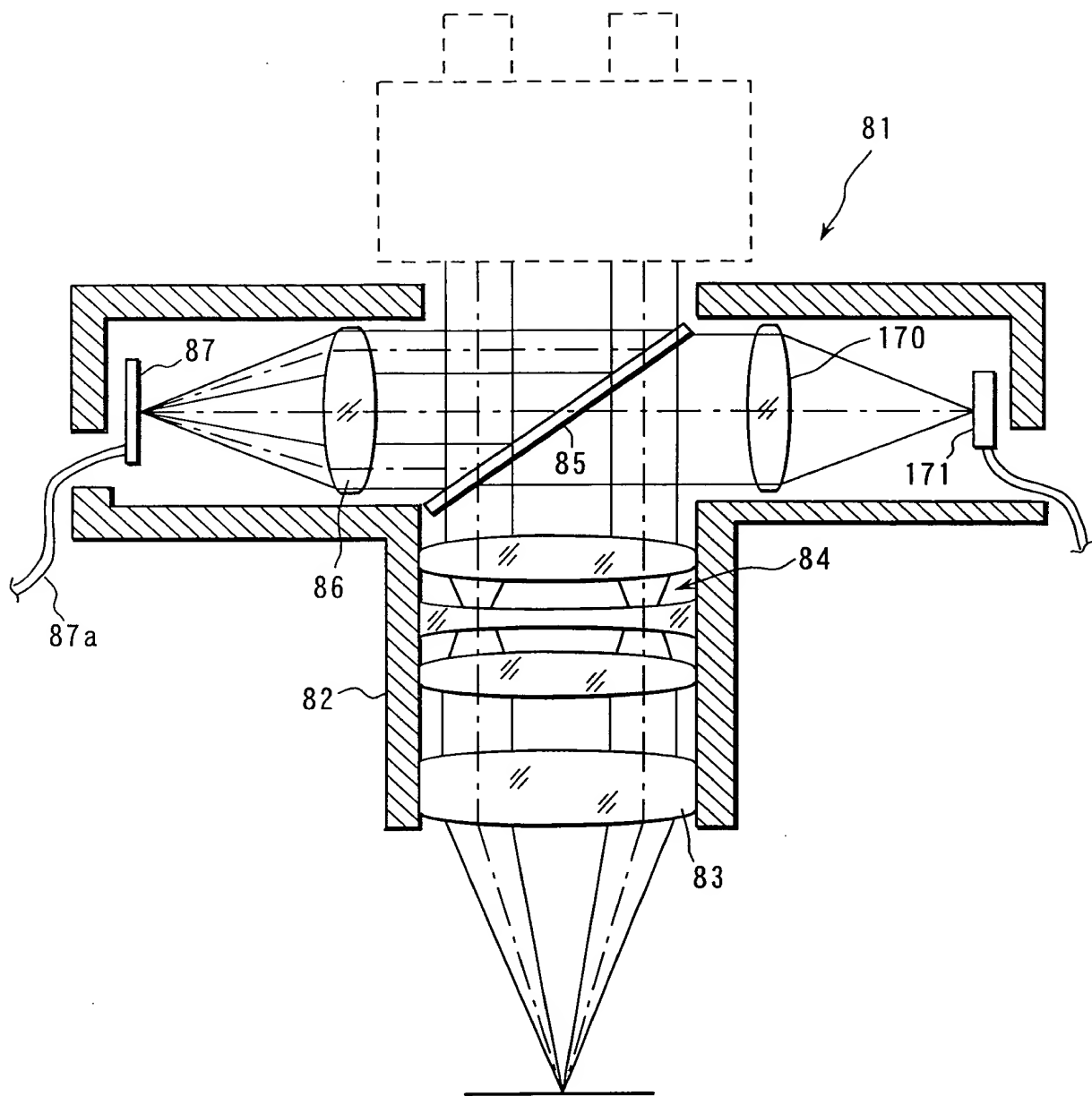


FIG. 18

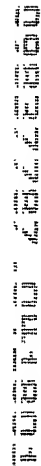
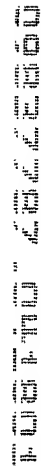
[illegible][illegible]



FIG. 21



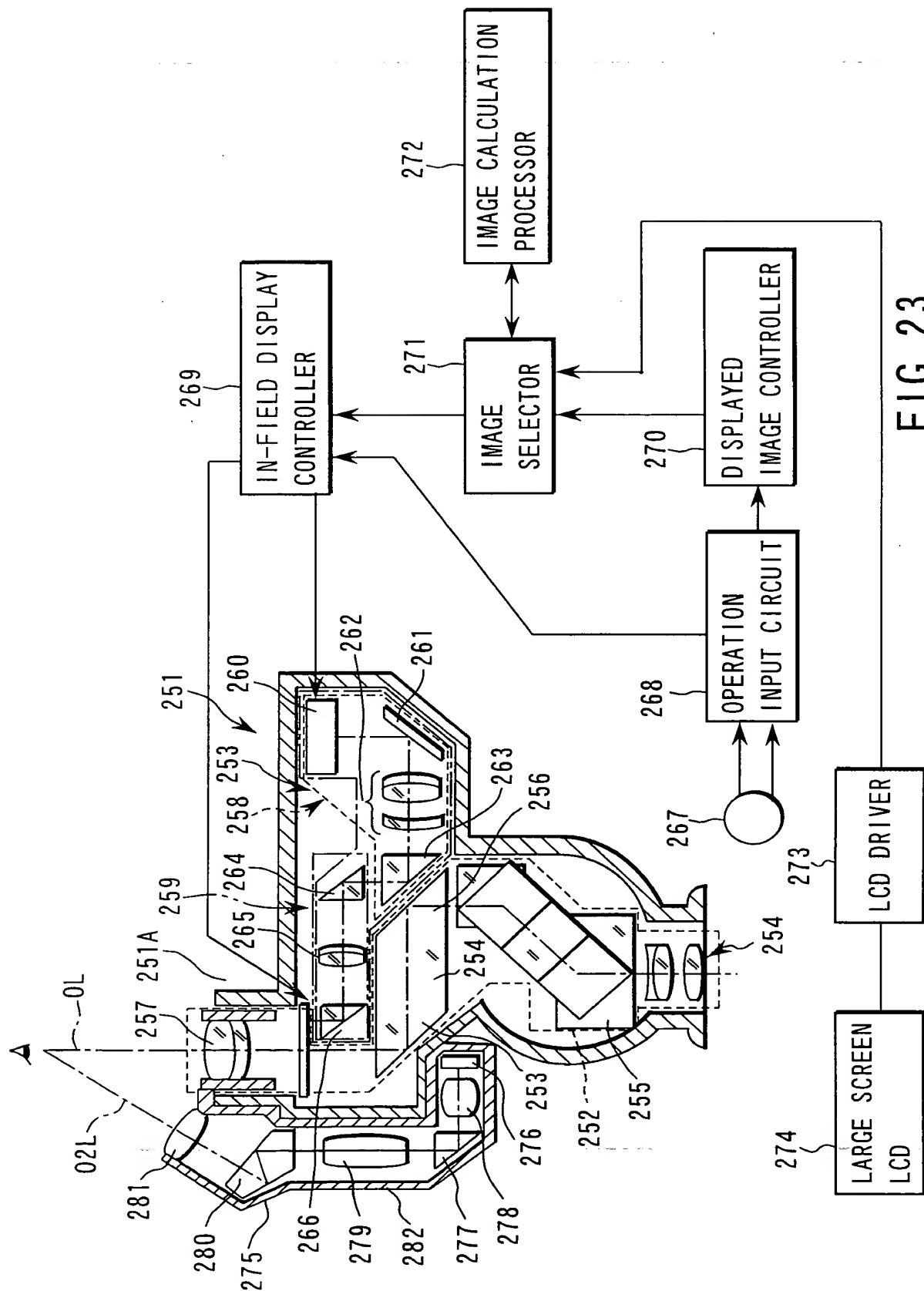


FIG. 23



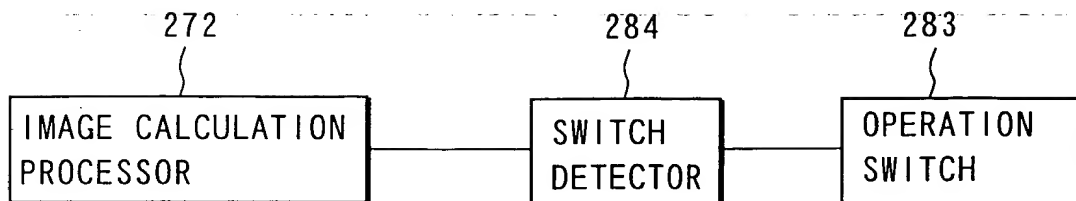


FIG. 24

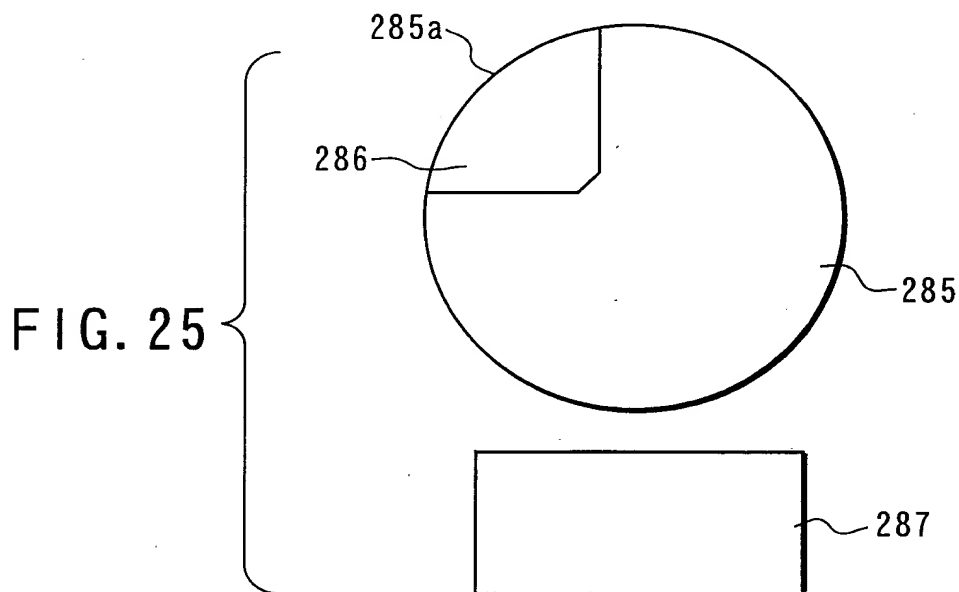


FIG. 26A



FIG. 26B

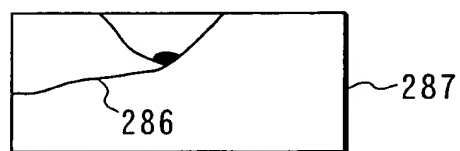
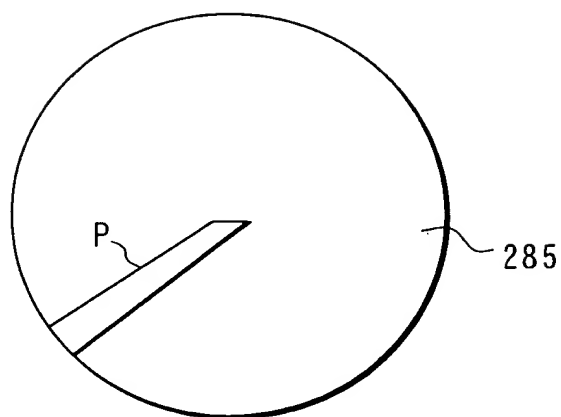


FIG. 27

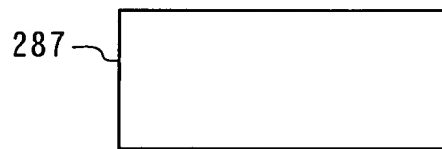
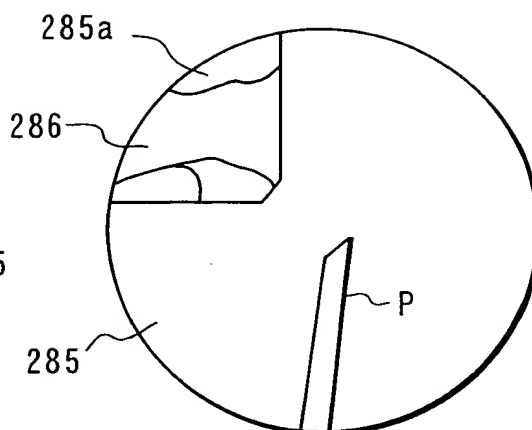


FIG. 28

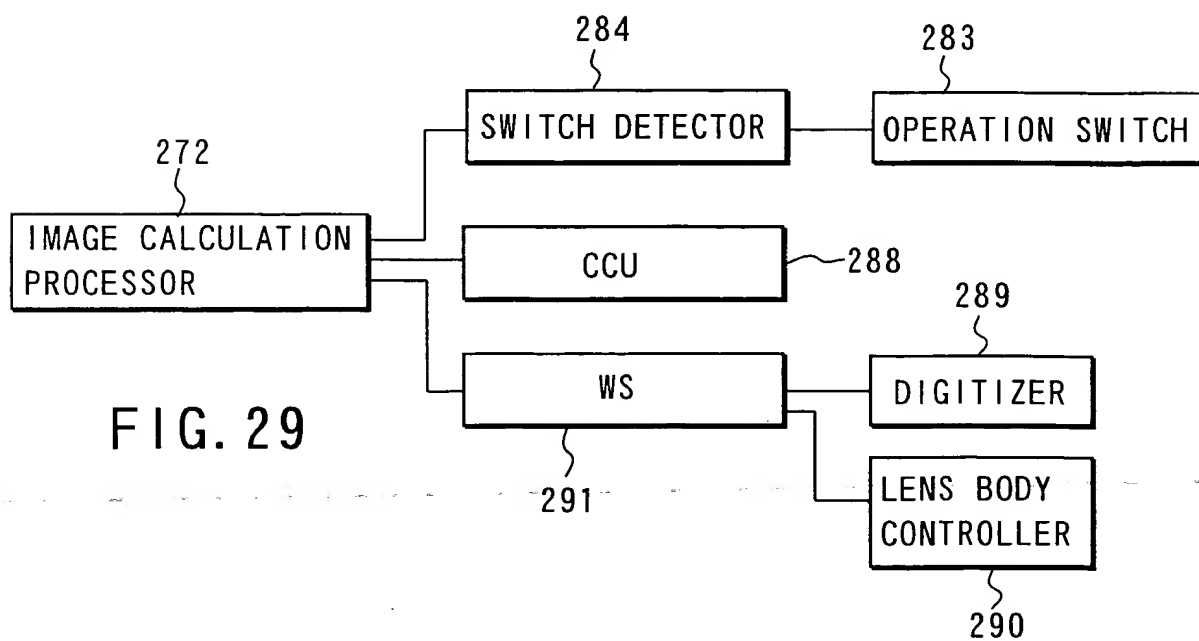


FIG. 29

WHEN SCOPE HOLDER  
IS FIXED

SMALL SCREEN:PRE-OPERATIVE IMAGE  
LARGE SCREEN:ENDOSCOPE IMAGE

FIG. 30A

WHEN SCOPE HOLDER  
MOVES

SMALL SCREEN:ENDOSCOPE IMAGE  
LARGE SCREEN:NO DISPLAYED IMAGE

FIG. 30B

FIG. 31

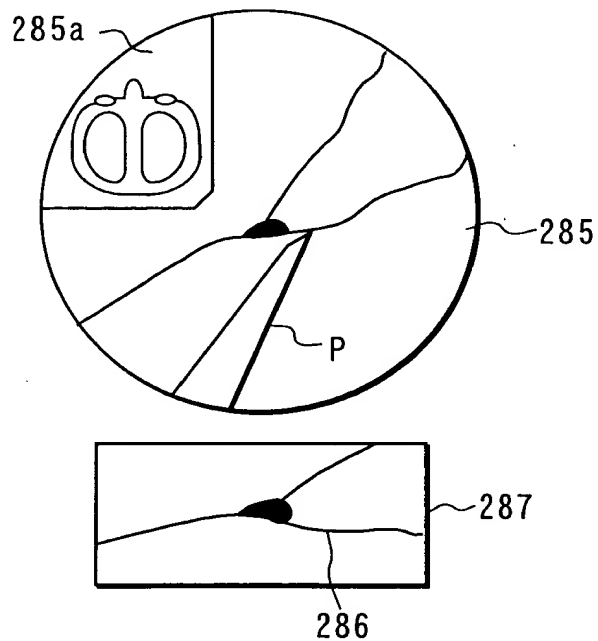


FIG. 32

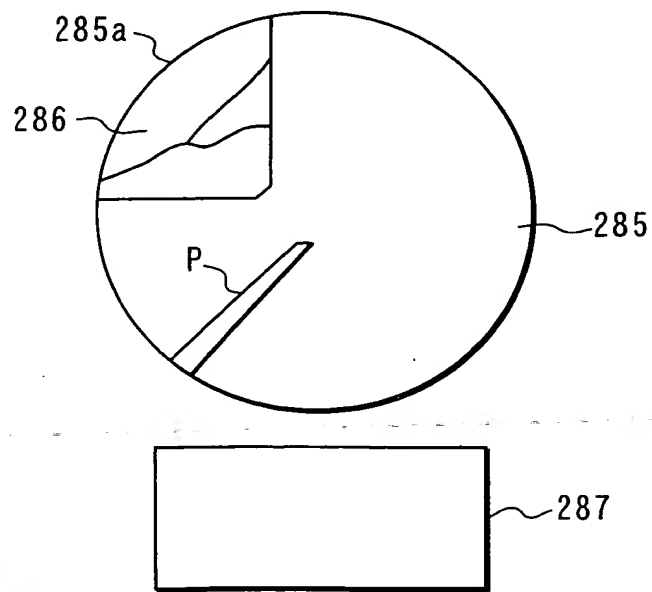
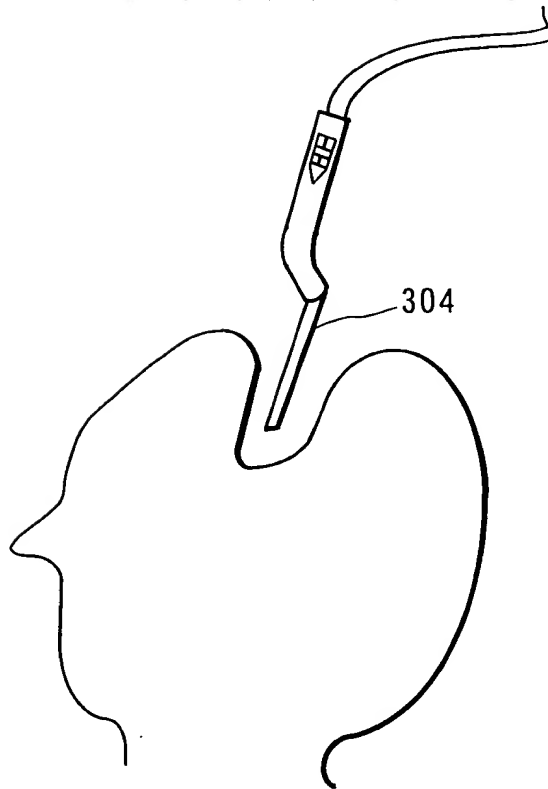




FIG. 34



DURING ULTRASONIC  
OBSERVATION

SMALL SCREEN: PRE-OPERATIVE IMAGE  
(ULTRASONIC OBSERVER PLANE IMAGE)  
LARGE SCREEN: ULTRASONIC OBSERVATION  
IMAGE

FIG. 35A

EXCEPT FOR ULTRASONIC  
OBSERVATION

SMALL SCREEN: PRE-OPERATIVE IMAGE  
(ENTIRE HEAD IMAGE)  
LARGE SCREEN: ULTRASONIC OBSERVATION  
IMAGE

FIG. 35B

FIG. 36

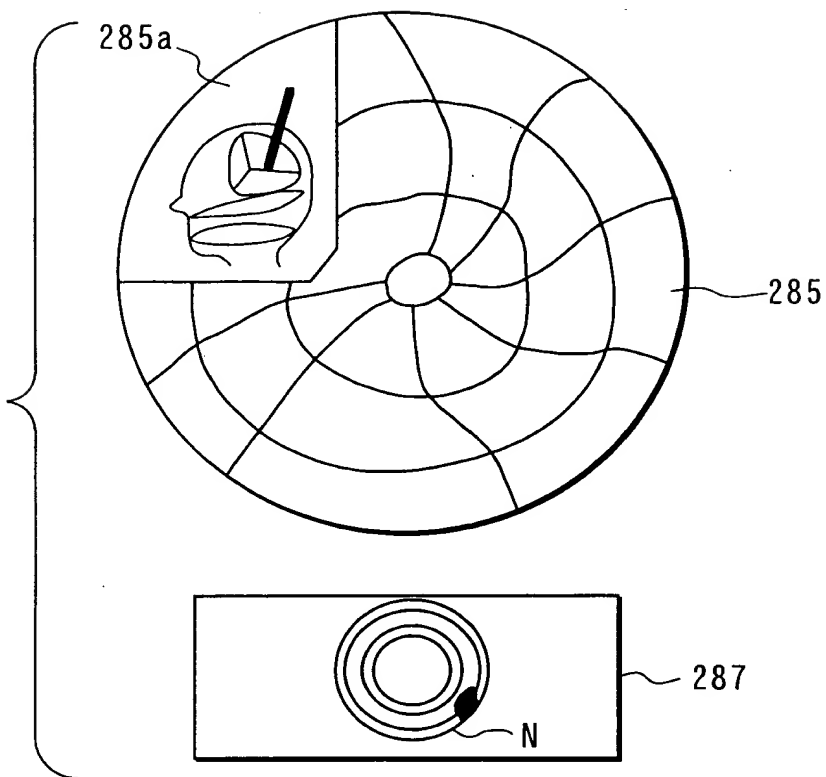
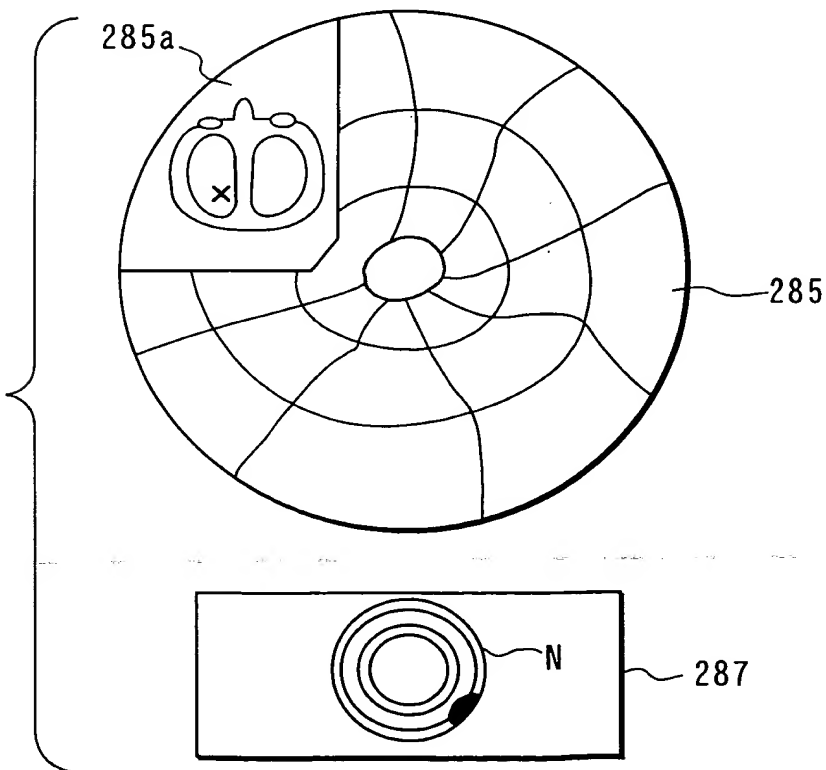


FIG. 37



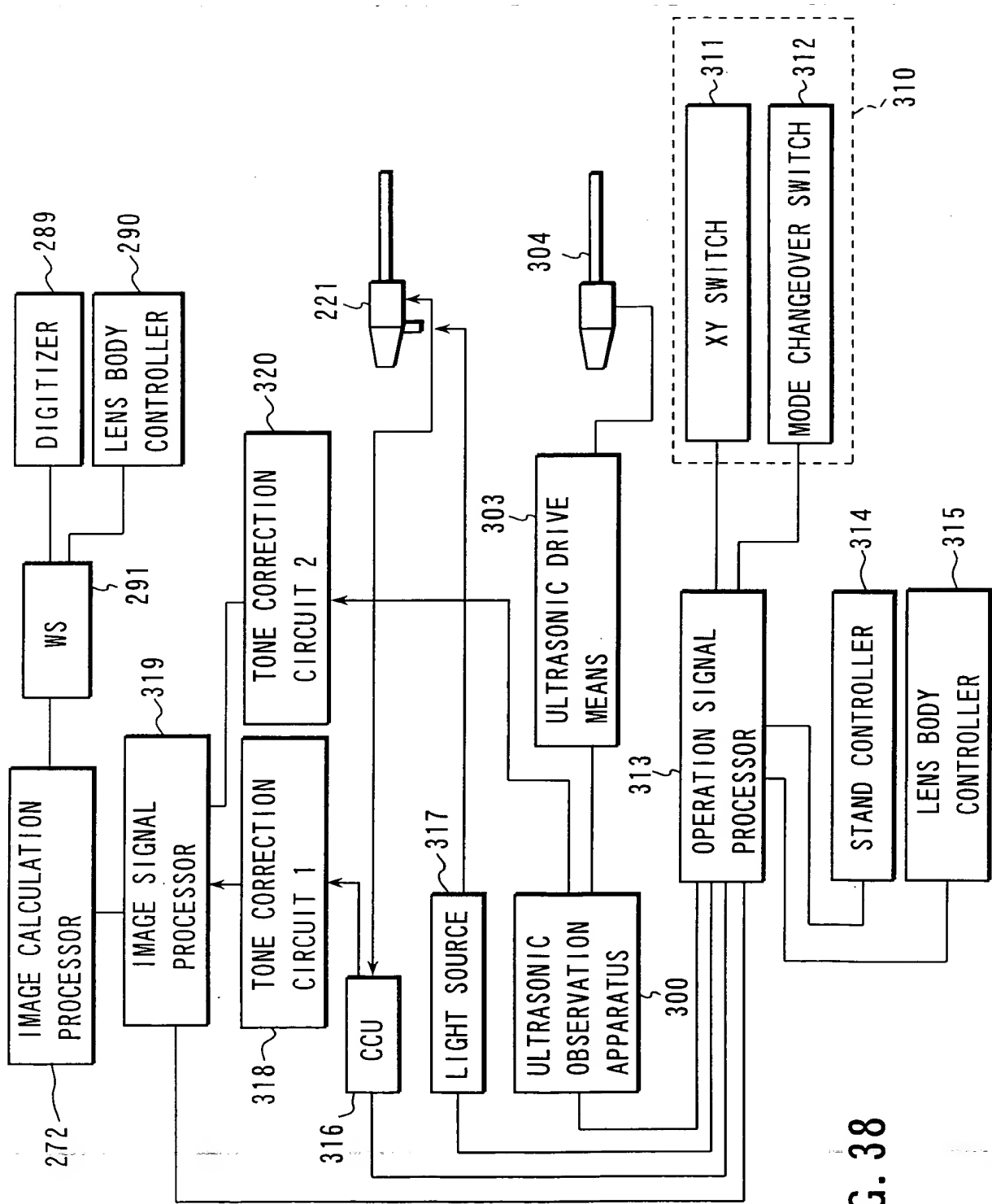


FIG. 38

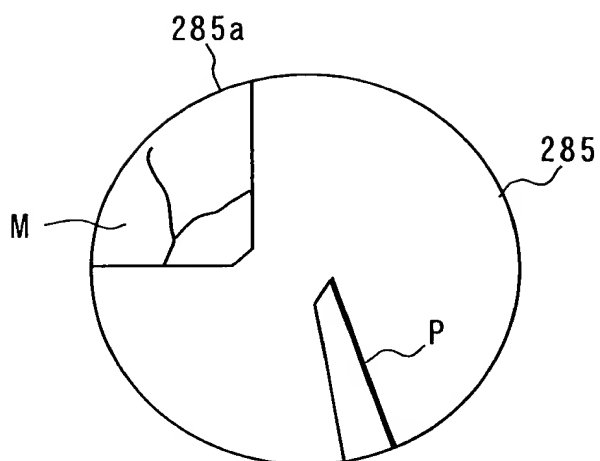


FIG. 39

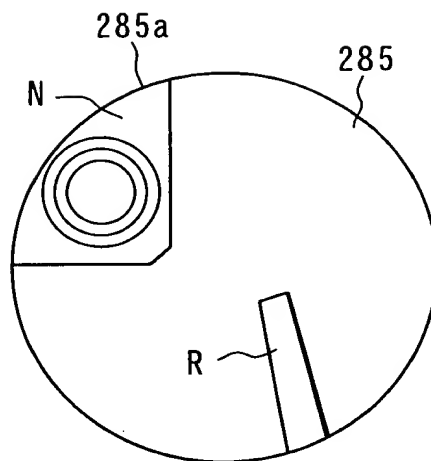


FIG. 40

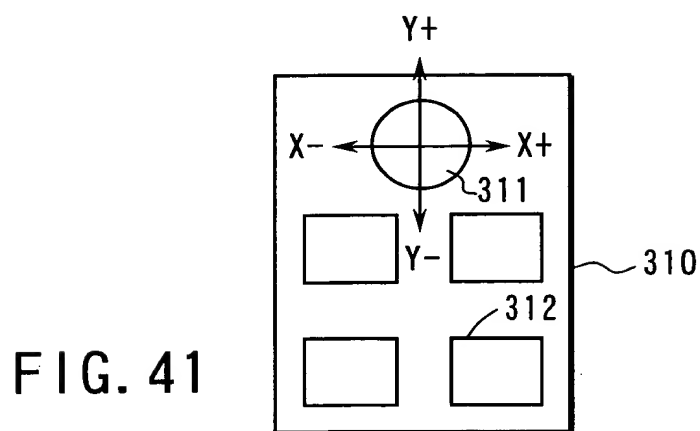


FIG. 41

WHEN ENDOSCOPE IMAGE IS  
DISPLAYED IN FIELD

X+:ENDOSCOPE ZOOM-UP

X-:ENDOSCOPE ZOOM-DOWN

Y+:ENDOSCOPE LIGHT AMOUNT UP

Y-:ENDOSCOPE LIGHT AMOUNT DOWN

FIG. 42



WHEN ULTRASONIC IMAGE IS  
DISPLAYED IN FIELD

X+:SCAN START

X-:SCAN STOP

Y+:DISPLAYED IMAGE RIGHT ROTATION

Y-:DISPLAYED IMAGE LEFT ROTATION

FIG. 43

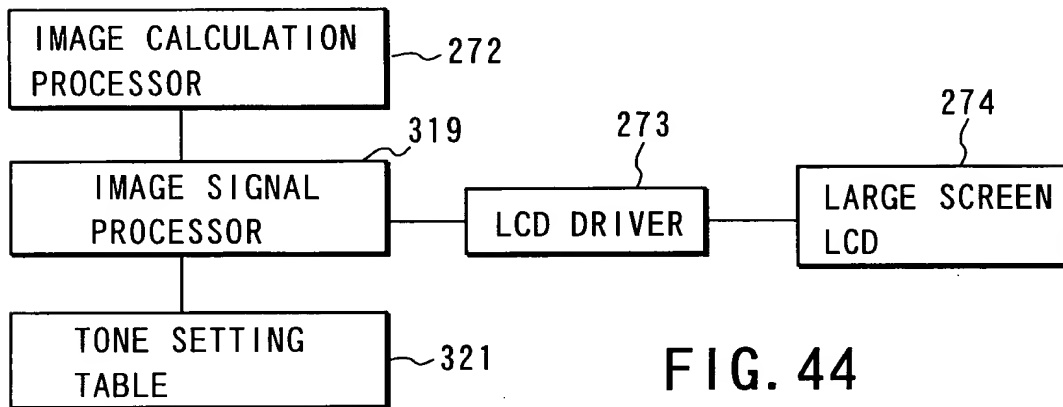


FIG. 44

FIG. 45

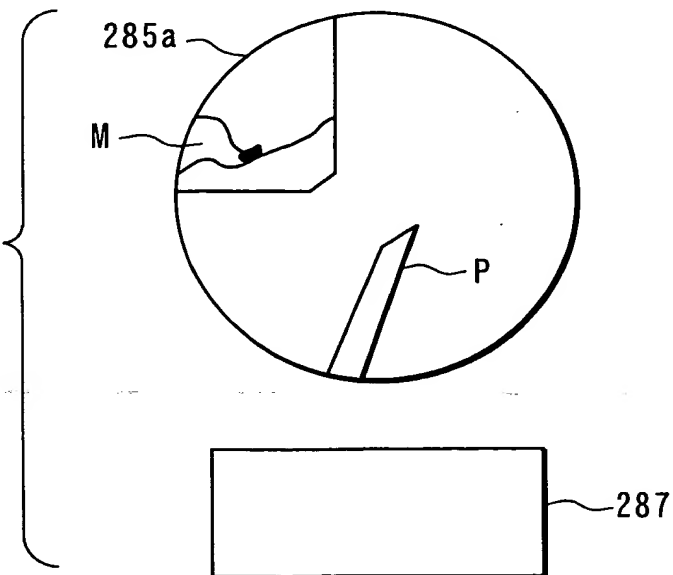


FIG. 46

FIG. 46

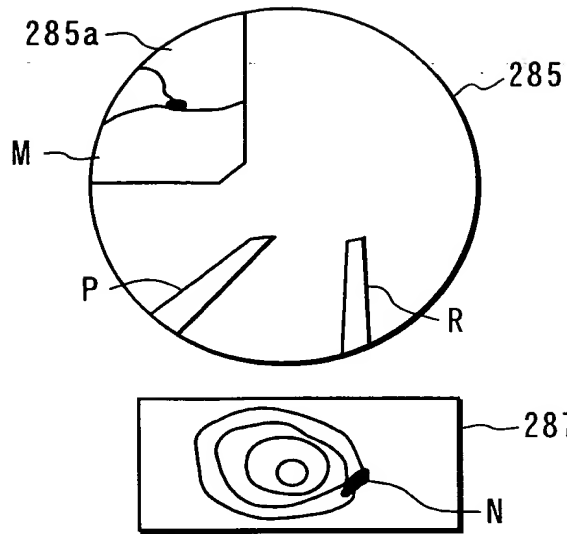


FIG. 47

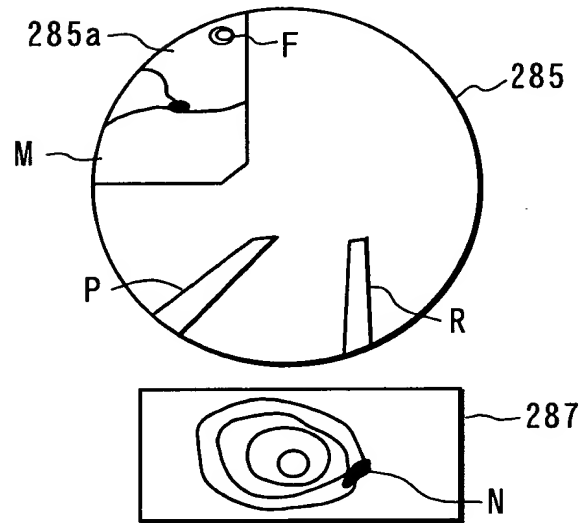


FIG. 48

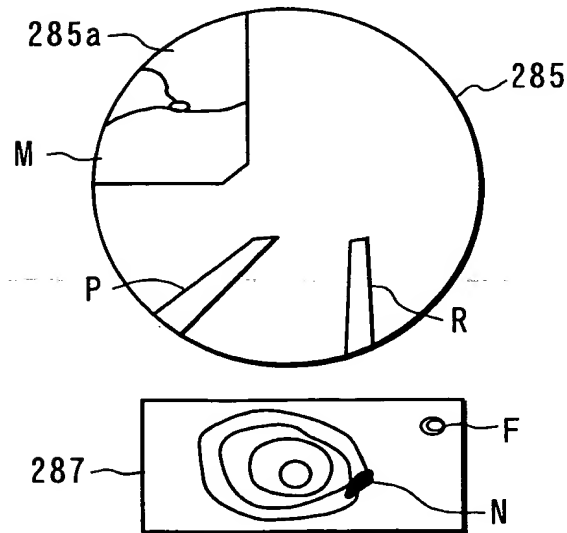


FIG. 49

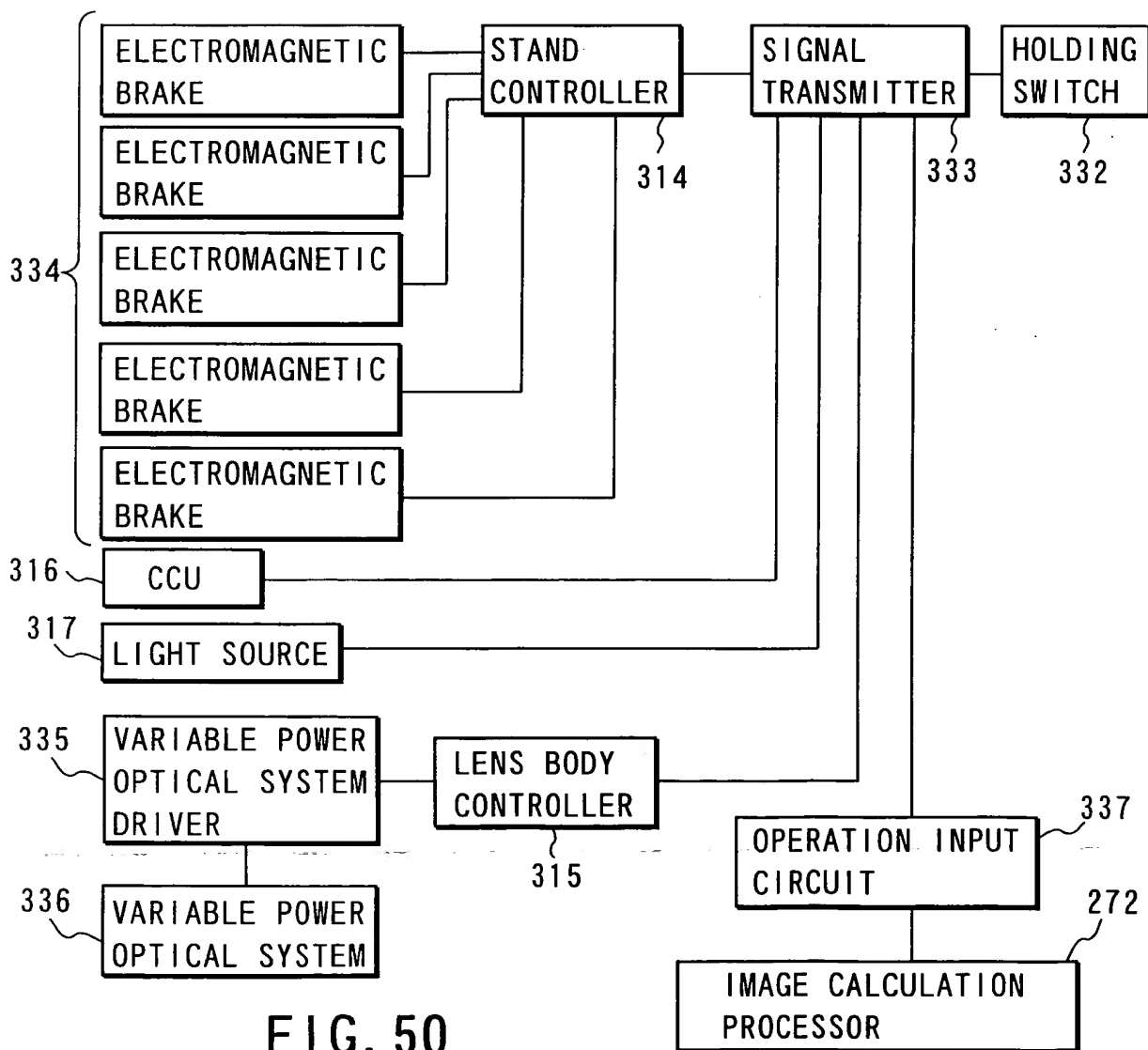
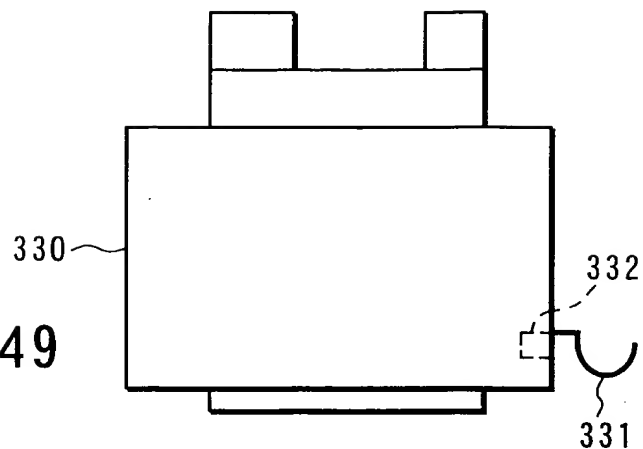


FIG. 50

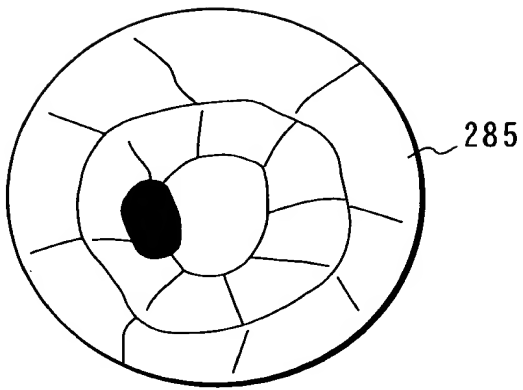


FIG. 51

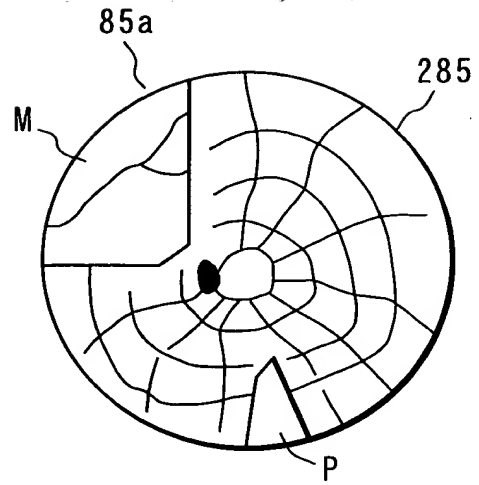


FIG. 52

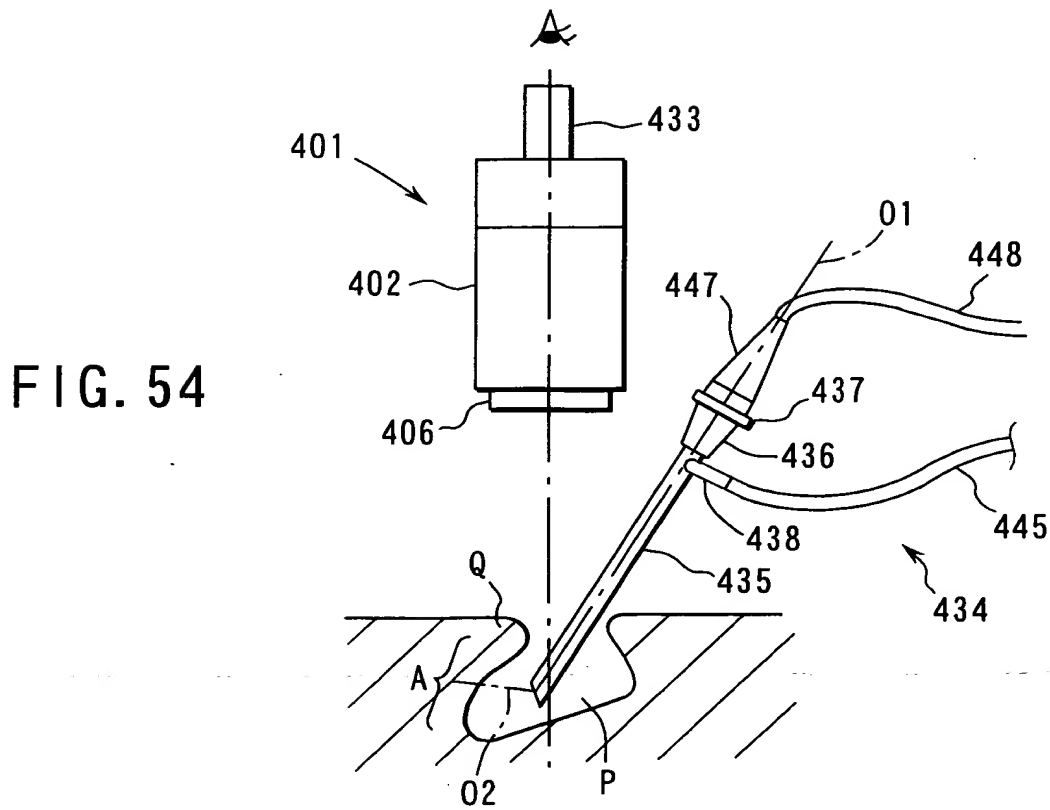


FIG. 54

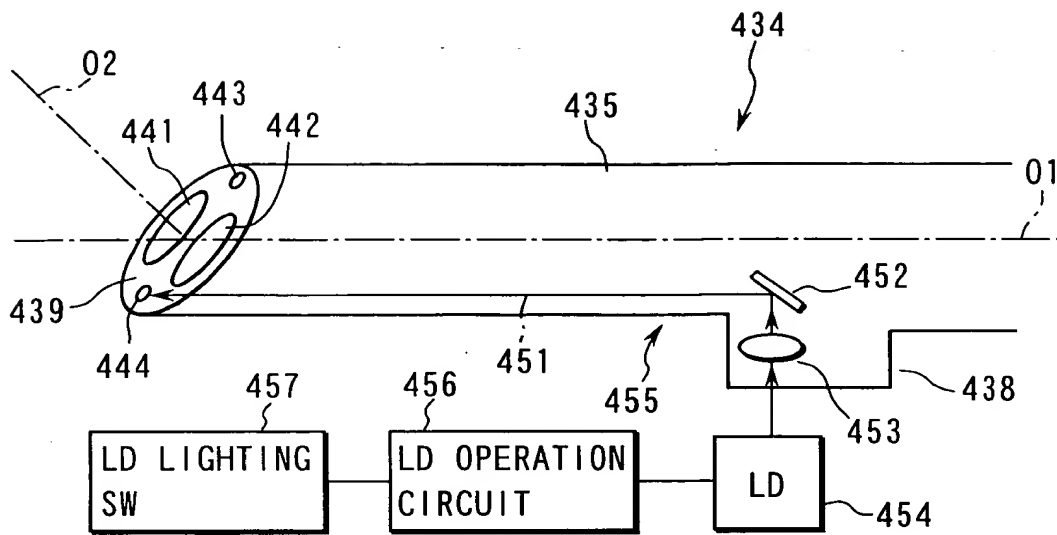


FIG. 53A

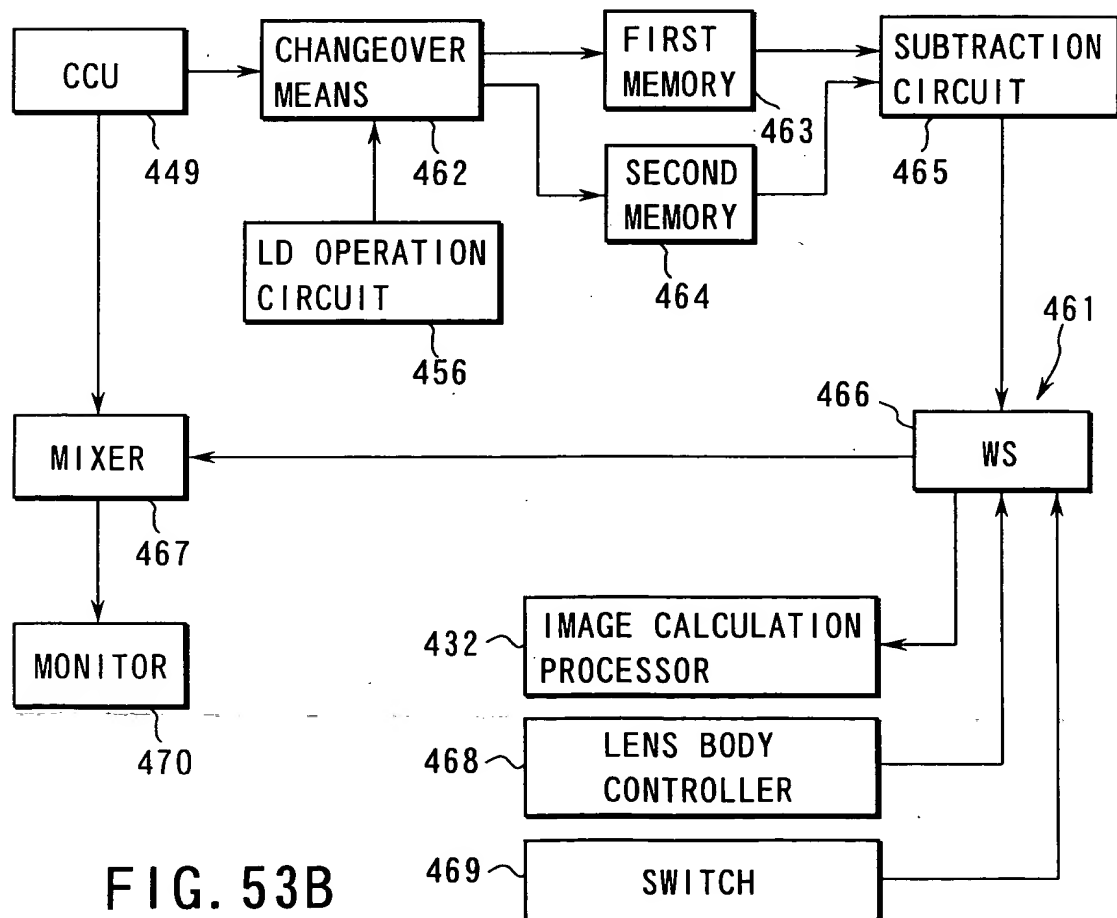


FIG. 53B

FIG. 55

FIG. 55

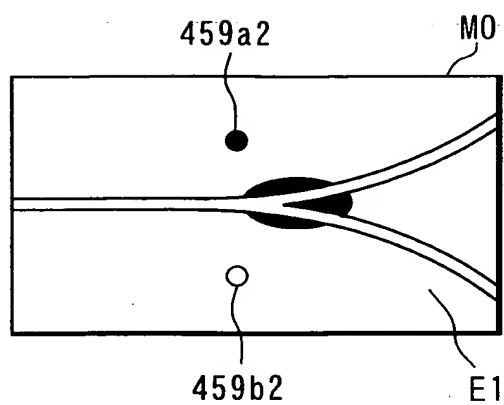


FIG. 56

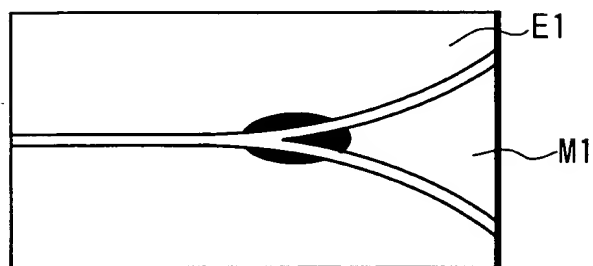


FIG. 57

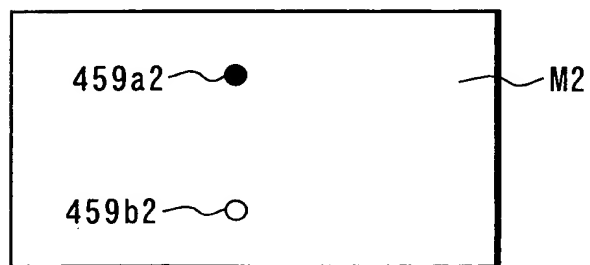
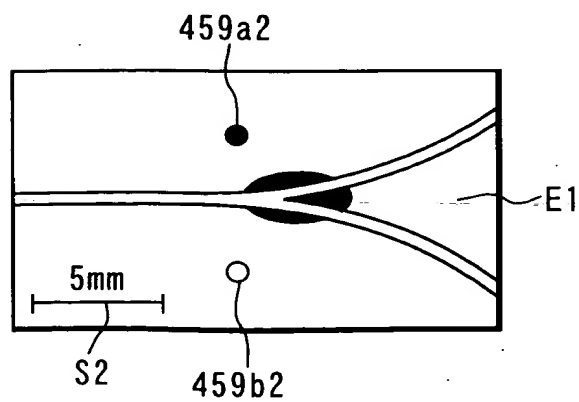
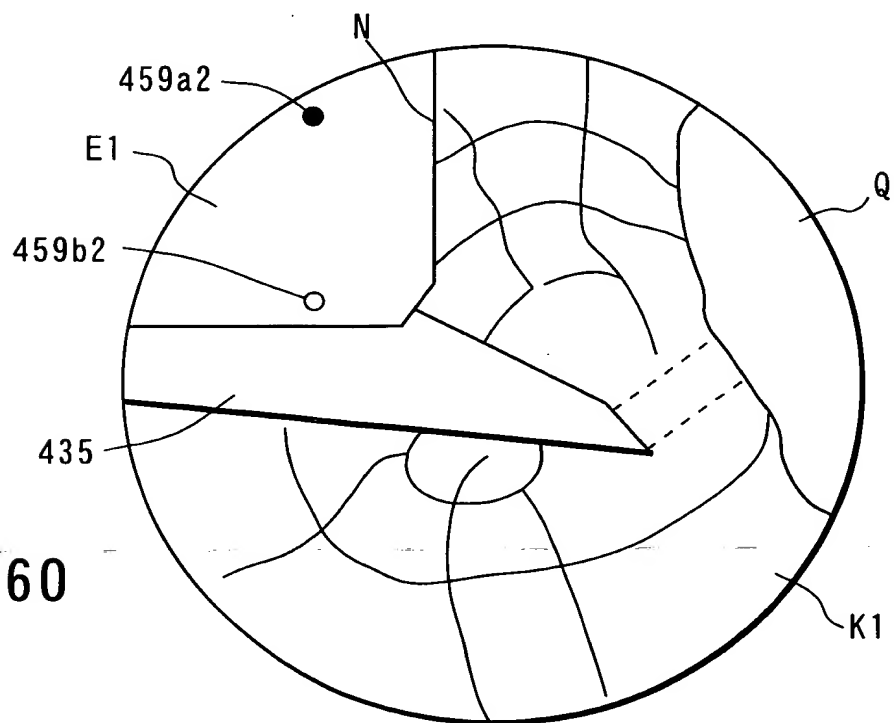
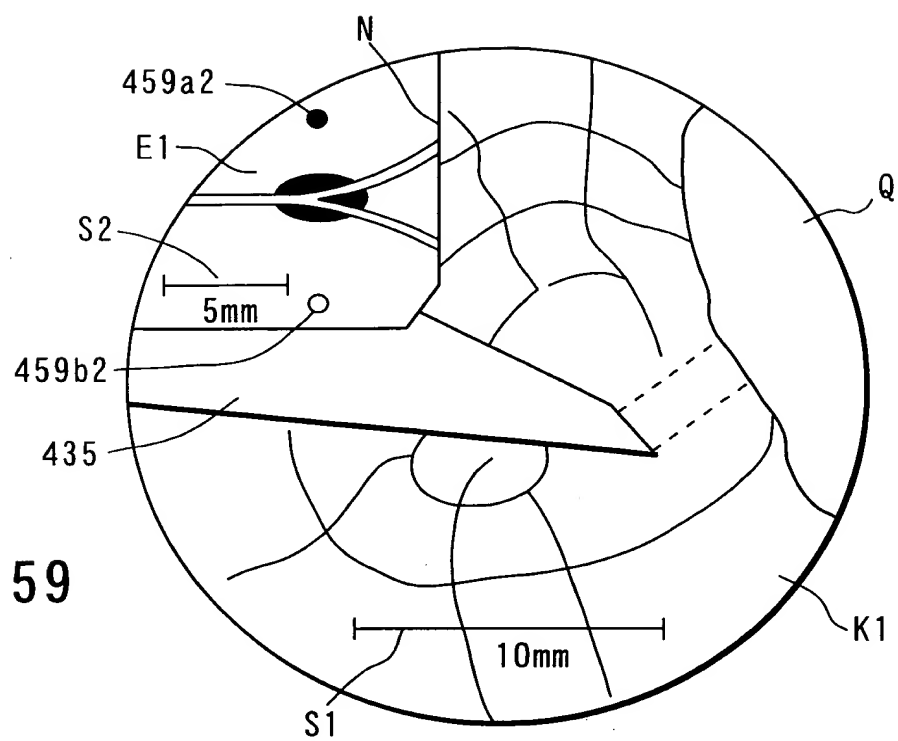


FIG. 58









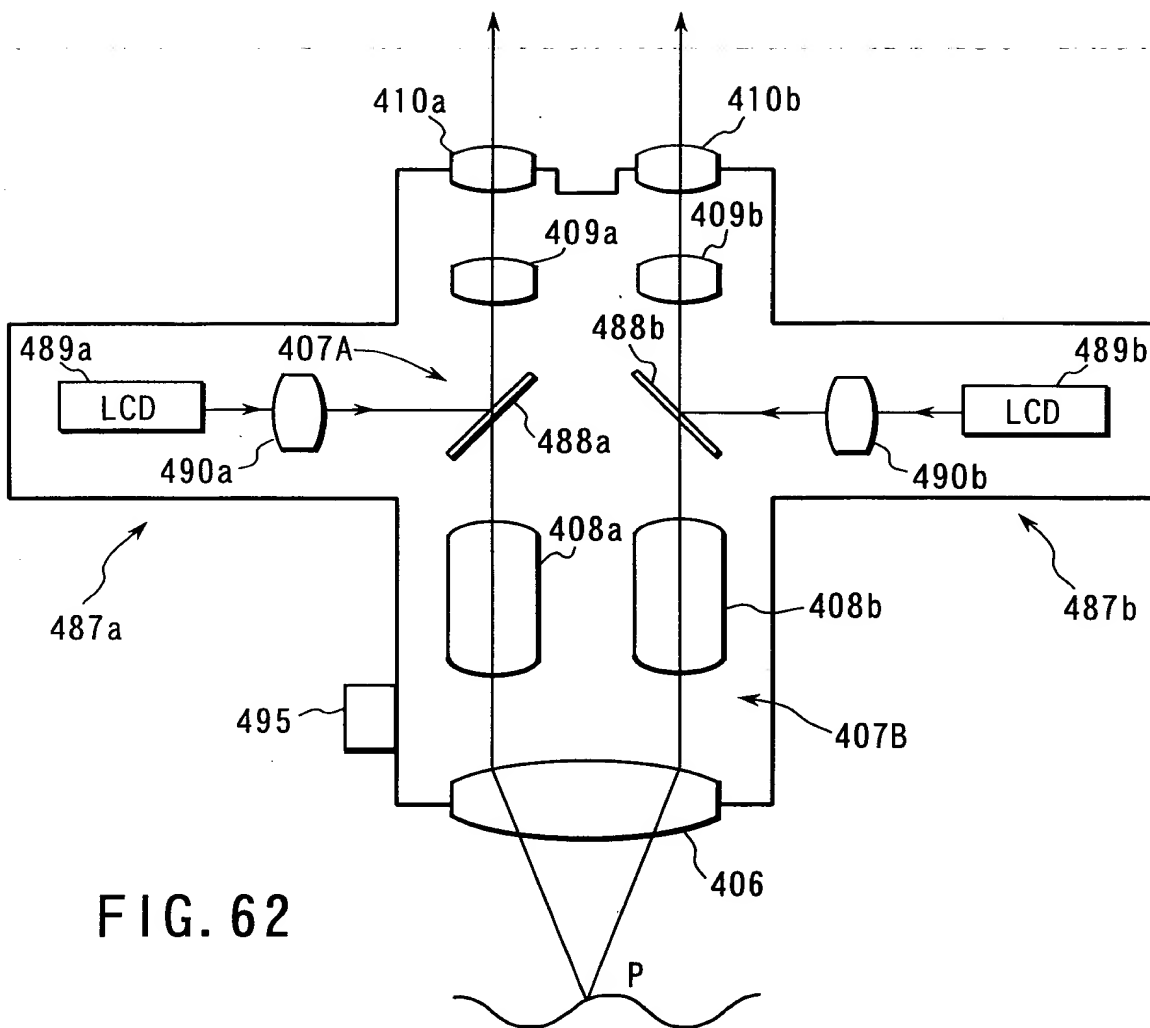


FIG. 62

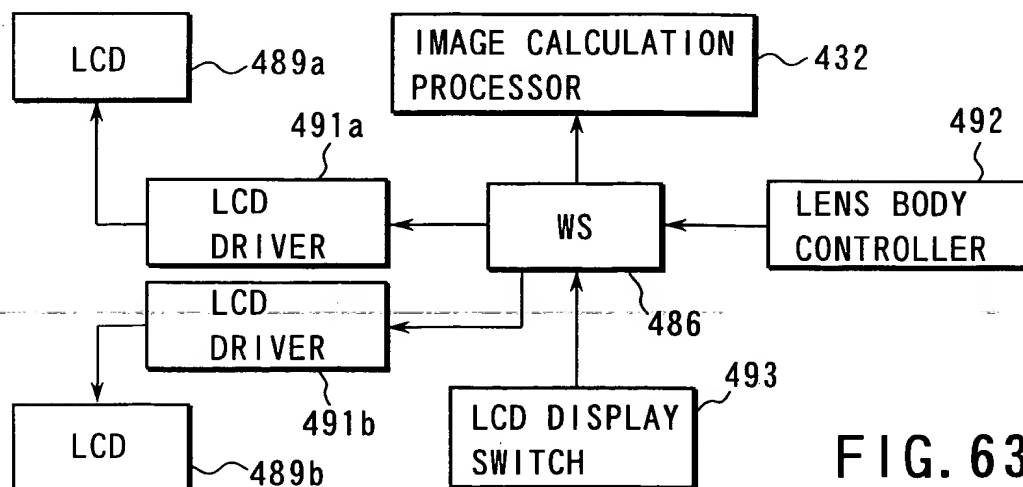


FIG. 63

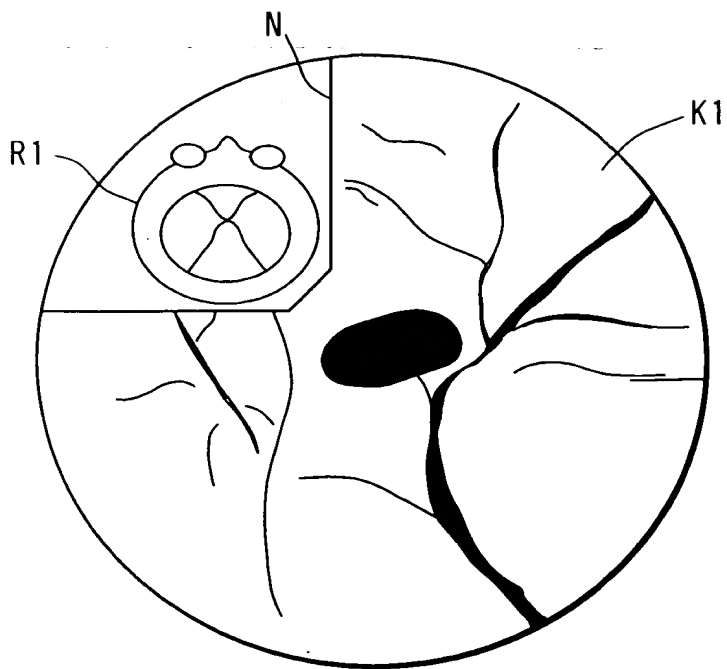


FIG. 64

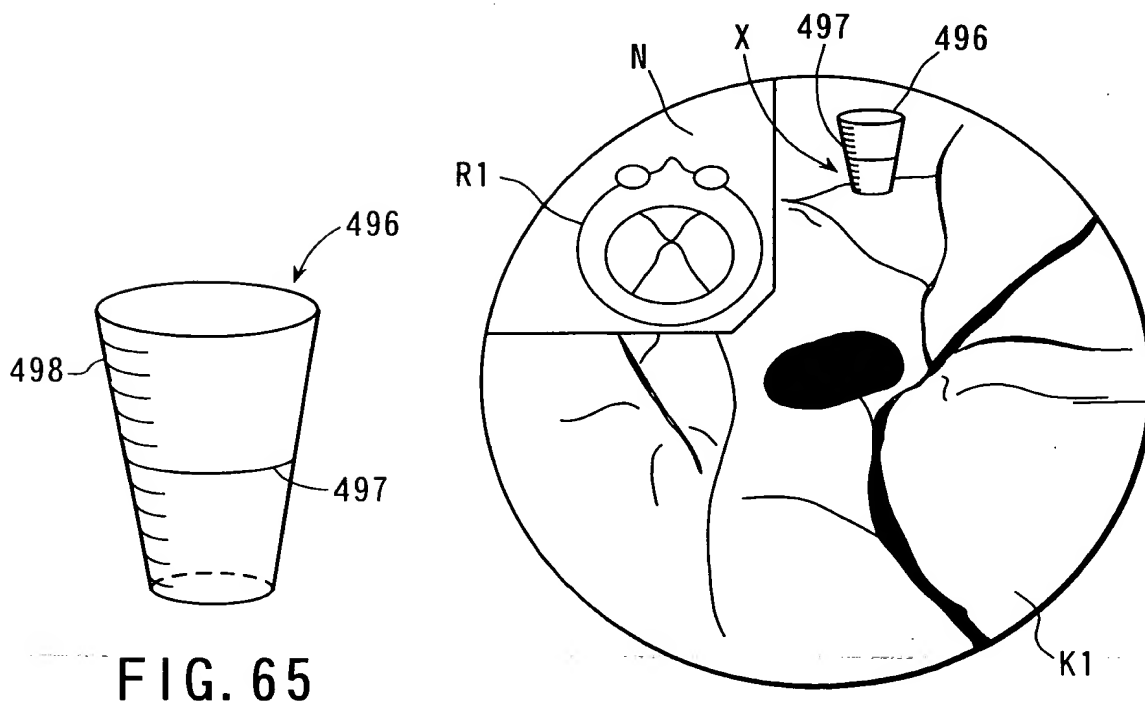


FIG. 65

FIG. 66

FIG. 67B

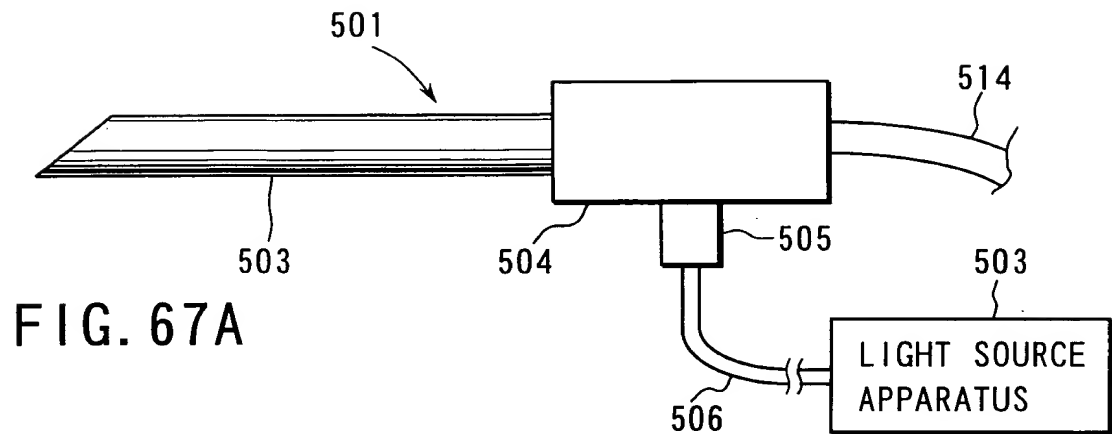
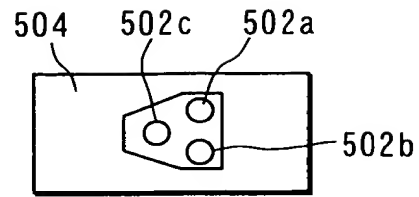


FIG. 67A

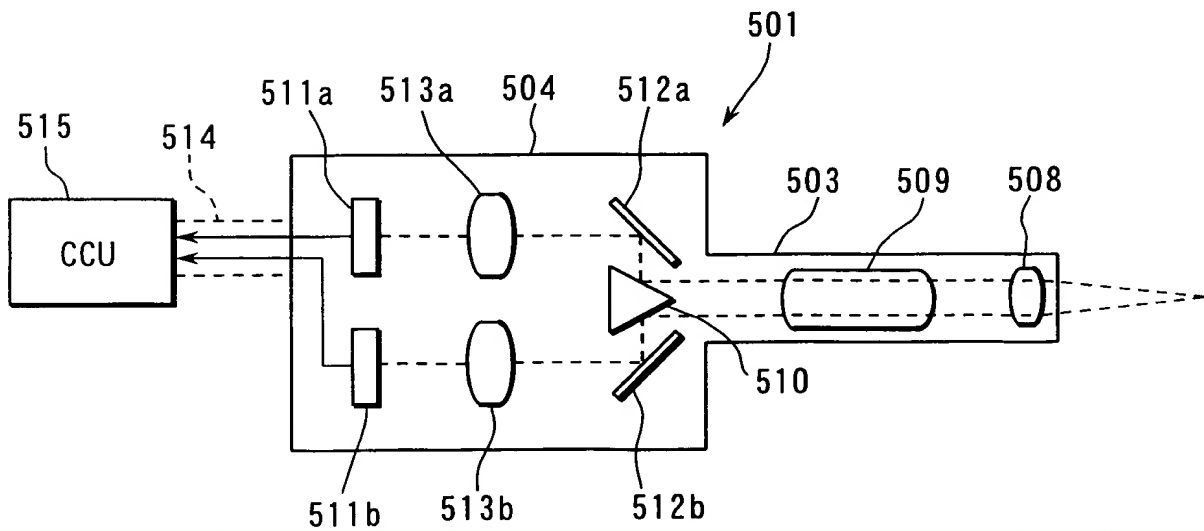


FIG. 68

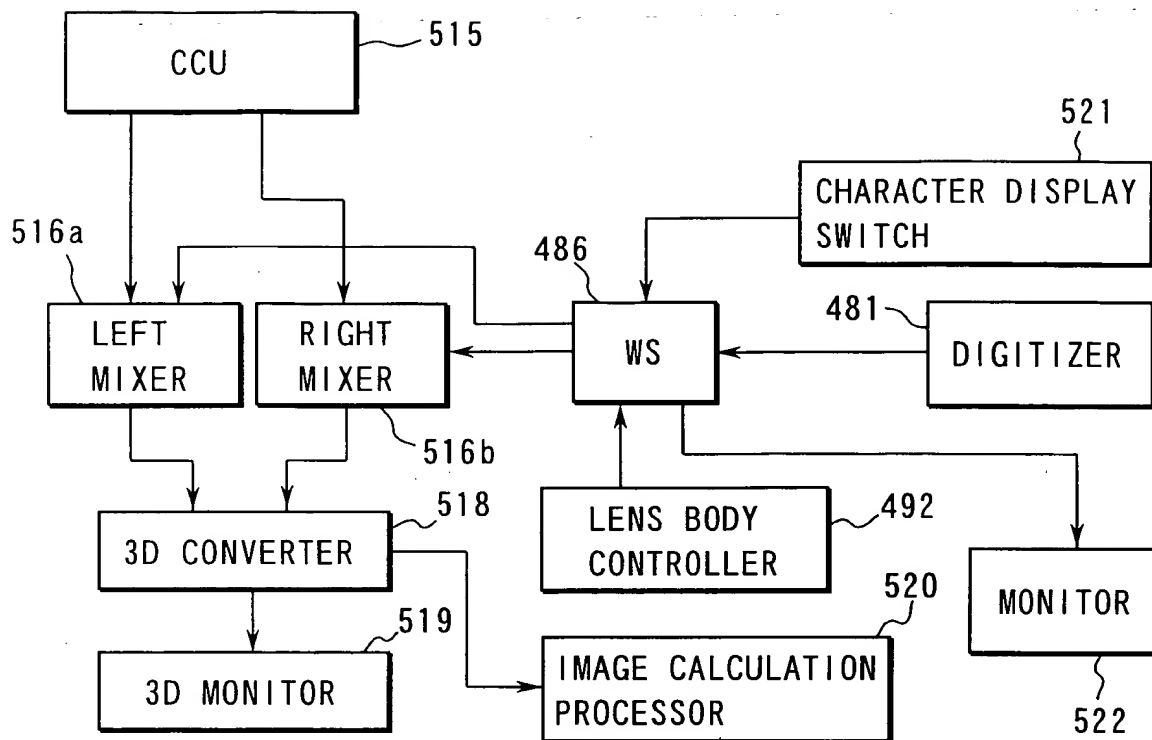


FIG. 69

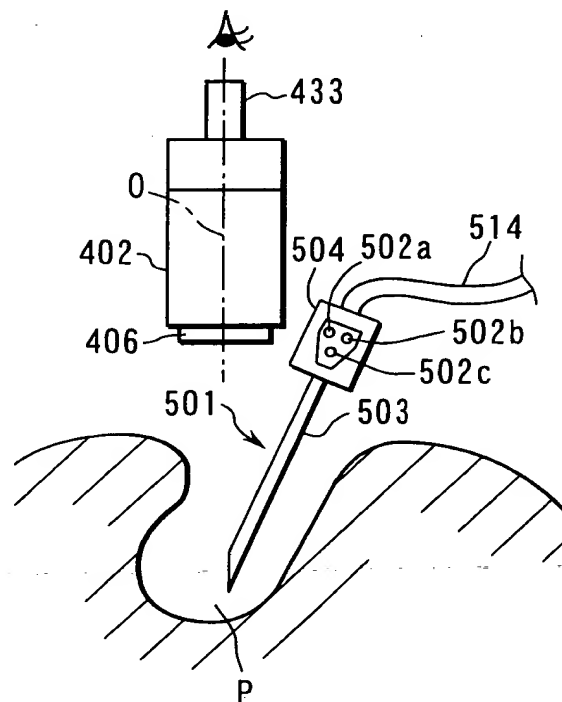


FIG. 70

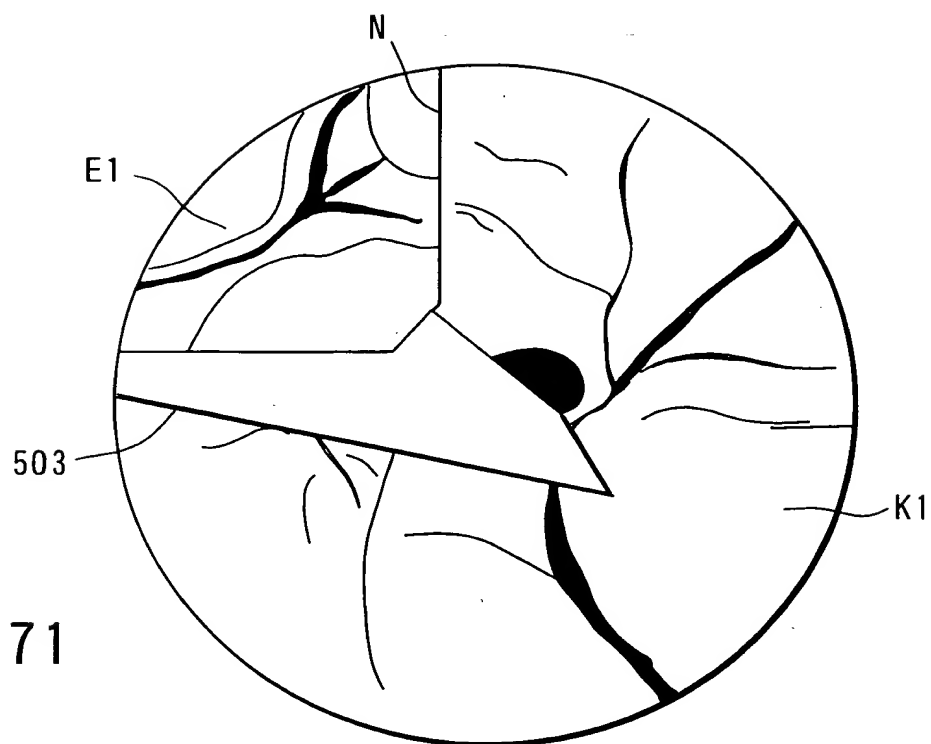


FIG. 71

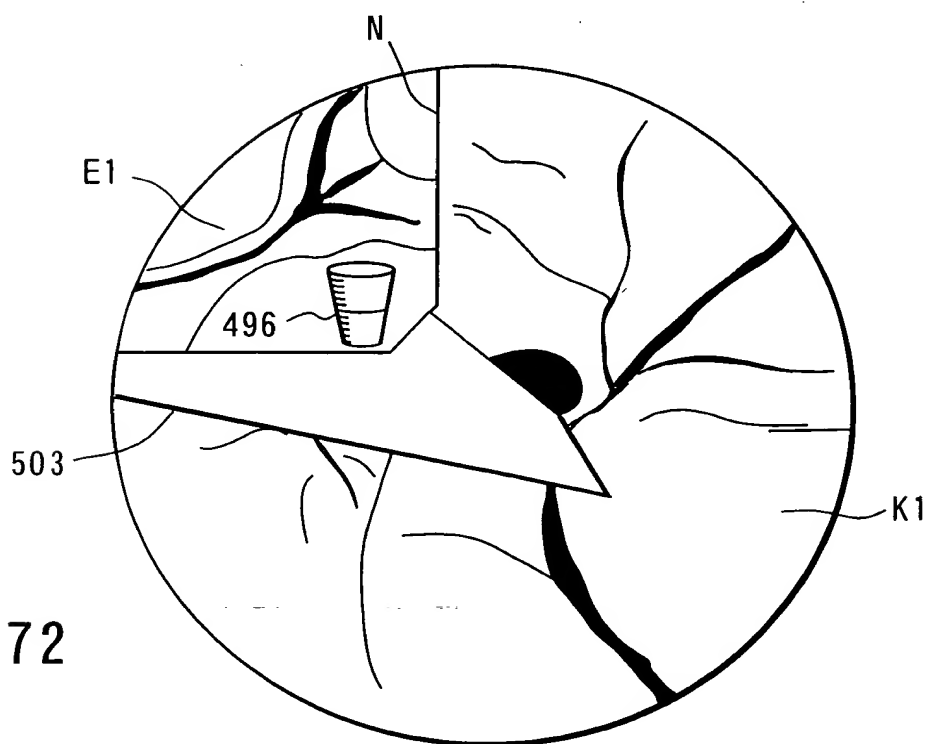


FIG. 72

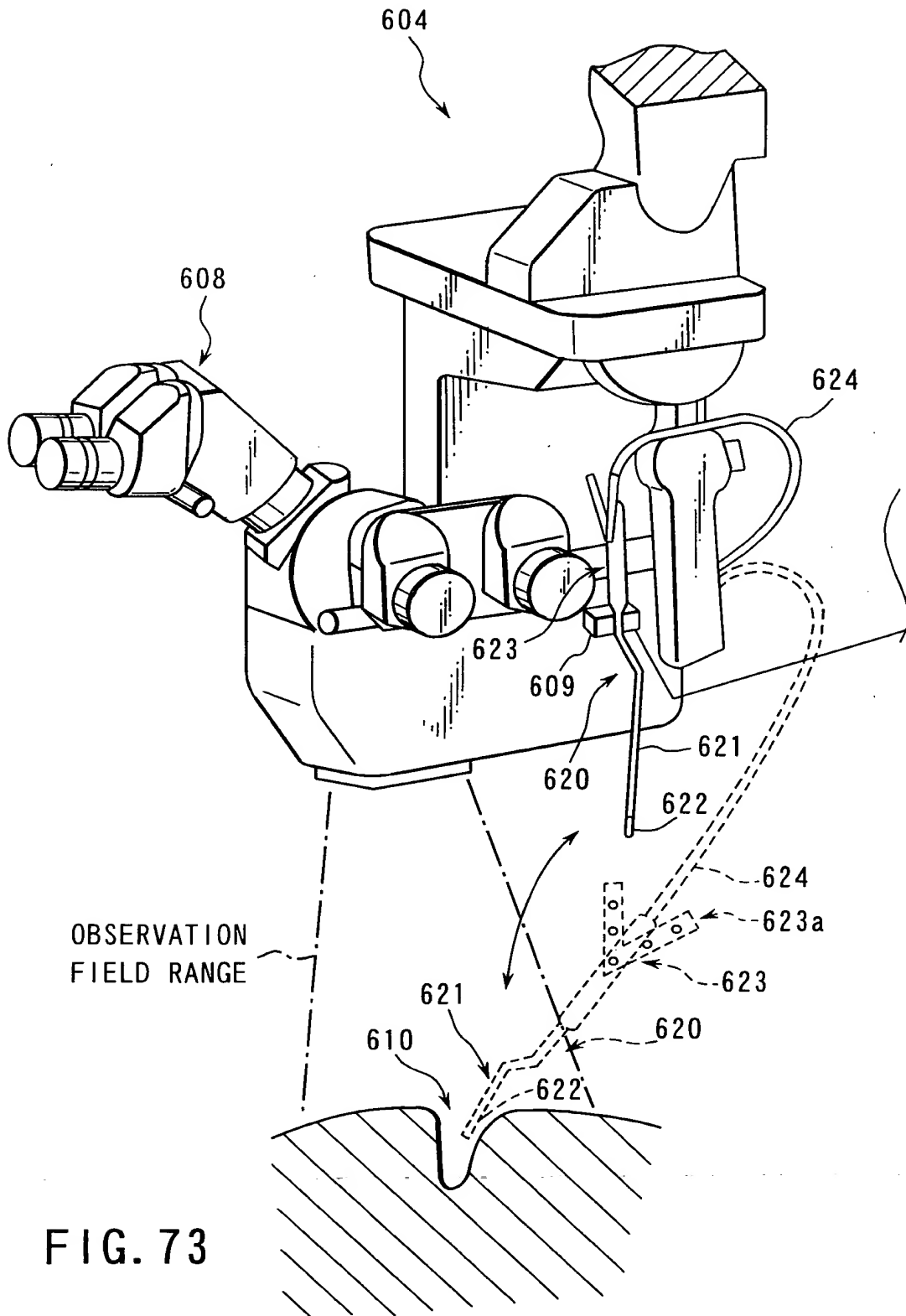


FIG. 73



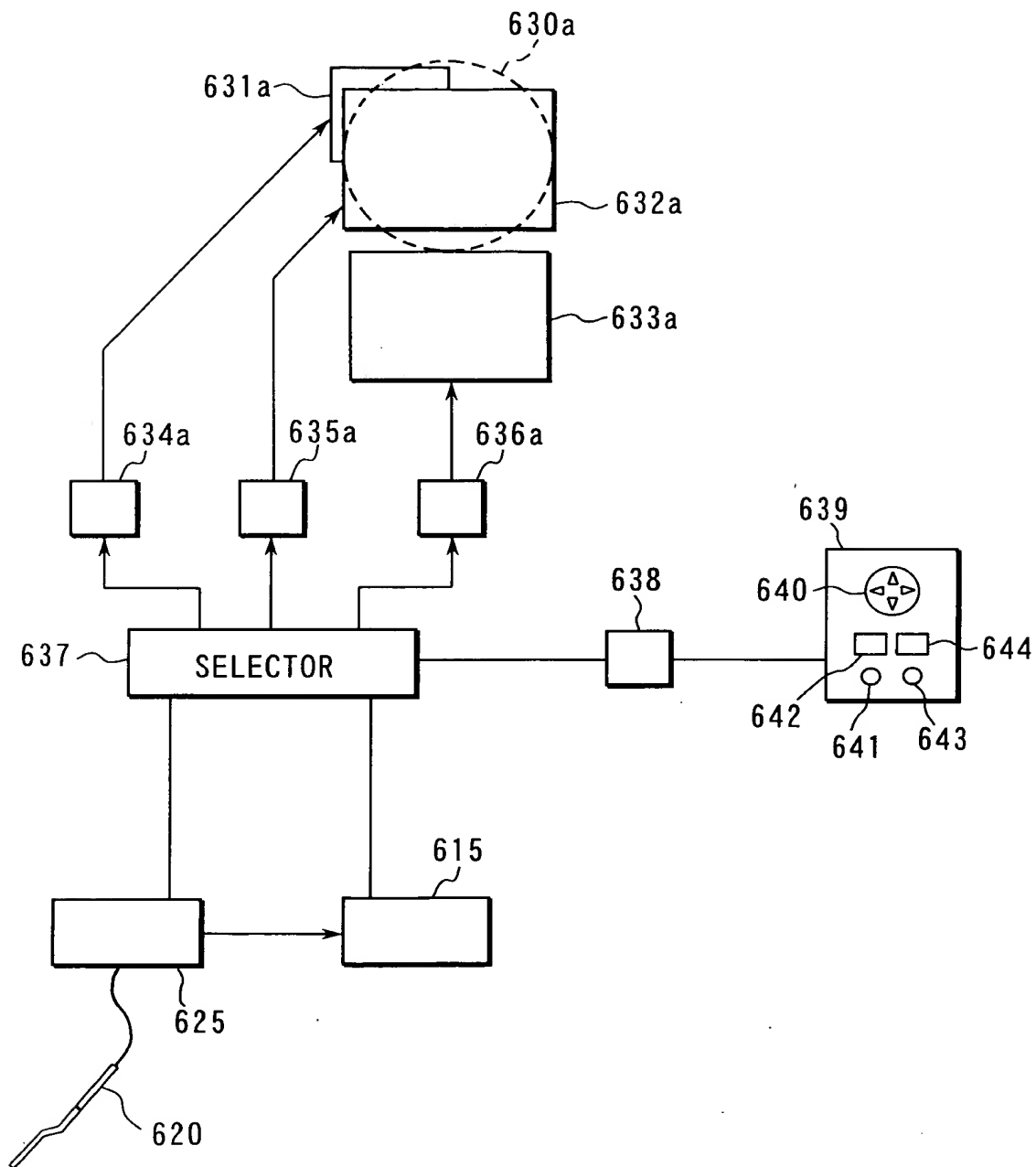


FIG. 75



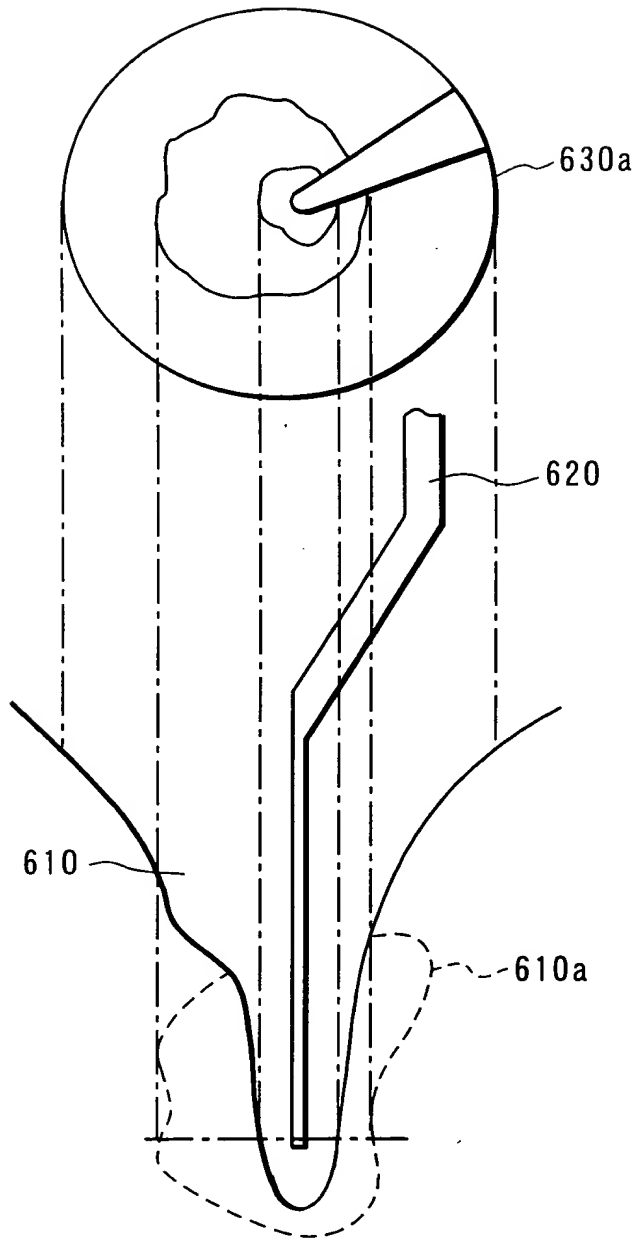


FIG. 76

```
graph TD; START([START]) --> S1[INSERT US PROBE IN MICROSCOPE FIELD]; S1 --> S2[DISPLAY NAVIGATION IMAGE (SMALL SCREEN)]; S2 --> S3[DISPLAY US IMAGE (LARGE SCREEN)]; S3 --> S4{SWITCH INPUT?}; S4 -- YES --> S5[DISPLAY NAVIGATION IMAGE IN LARGE SCREEN AND US IMAGE IN SMALL SCREEN]; S4 -- NO --> S4;
```

The flowchart illustrates the display control method for the endoscope system. It begins with a START terminal, followed by step S1: INSERT US PROBE IN MICROSCOPE FIELD. This is followed by step S2: DISPLAY NAVIGATION IMAGE (SMALL SCREEN), then step S3: DISPLAY US IMAGE (LARGE SCREEN). A decision diamond S4 asks if there is a SWITCH INPUT?. If the answer is YES, the process proceeds to step S5: DISPLAY NAVIGATION IMAGE IN LARGE SCREEN AND US IMAGE IN SMALL SCREEN. If the answer is NO, the process loops back to the input point before the decision diamond S4.

FIG. 77

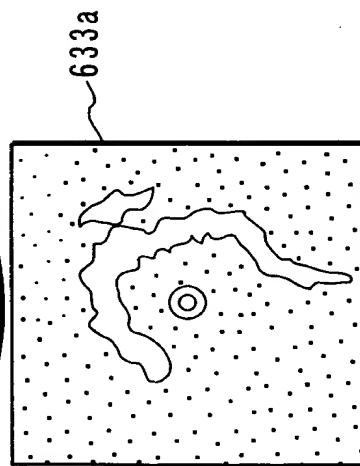
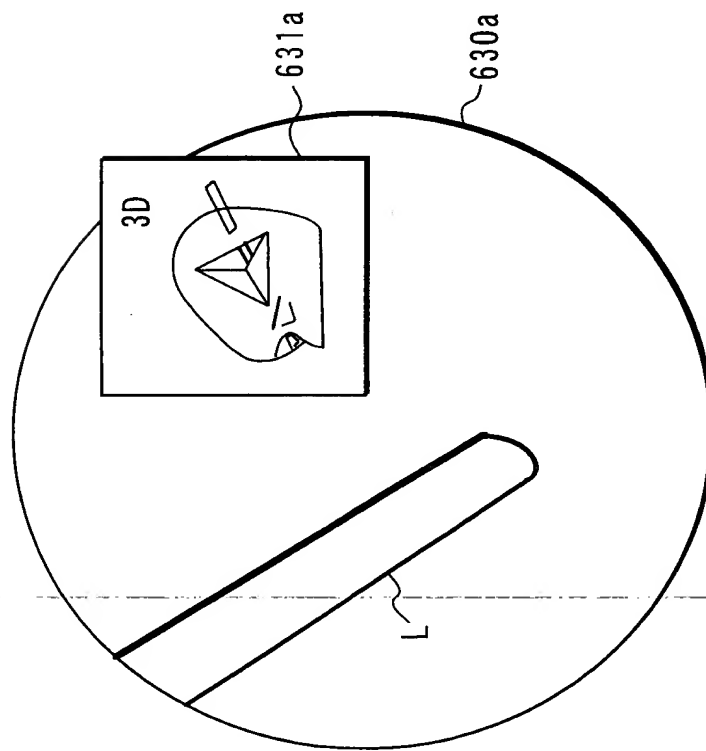


FIG. 78A

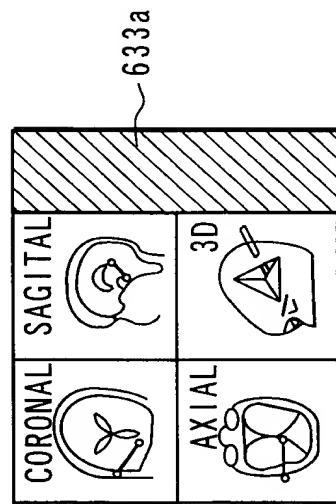
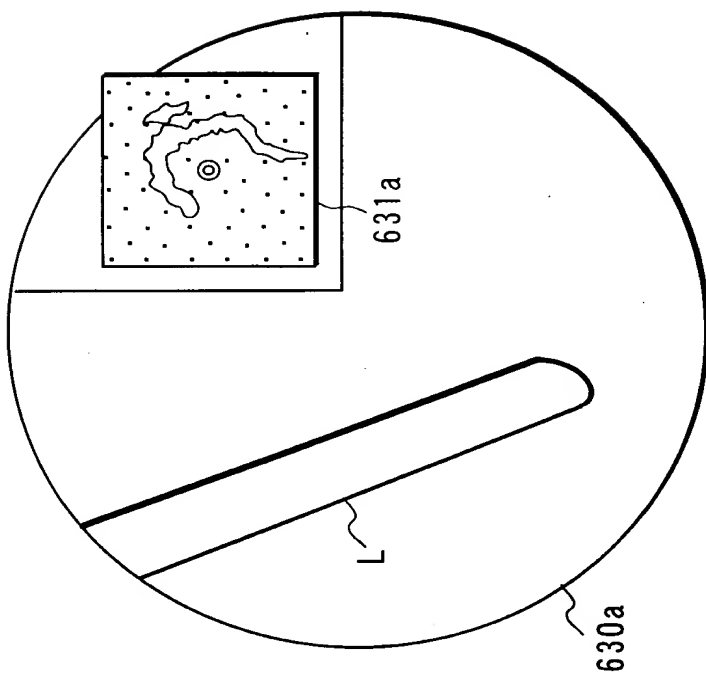
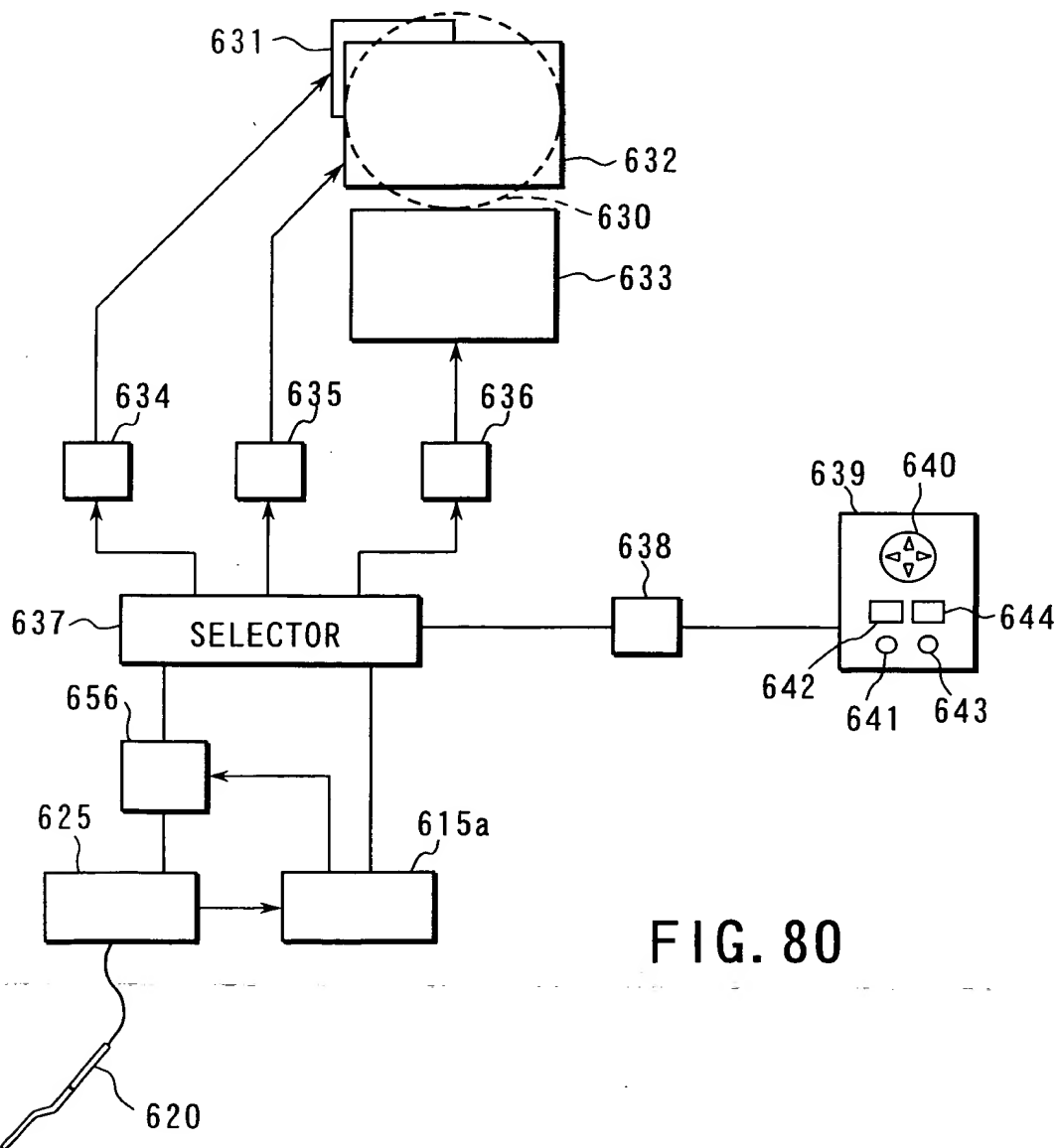
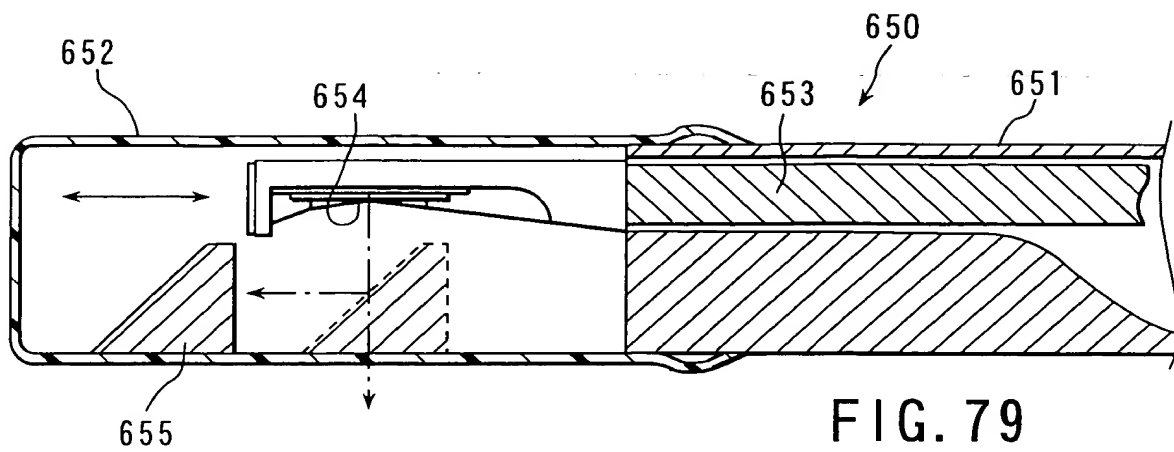


FIG. 78B



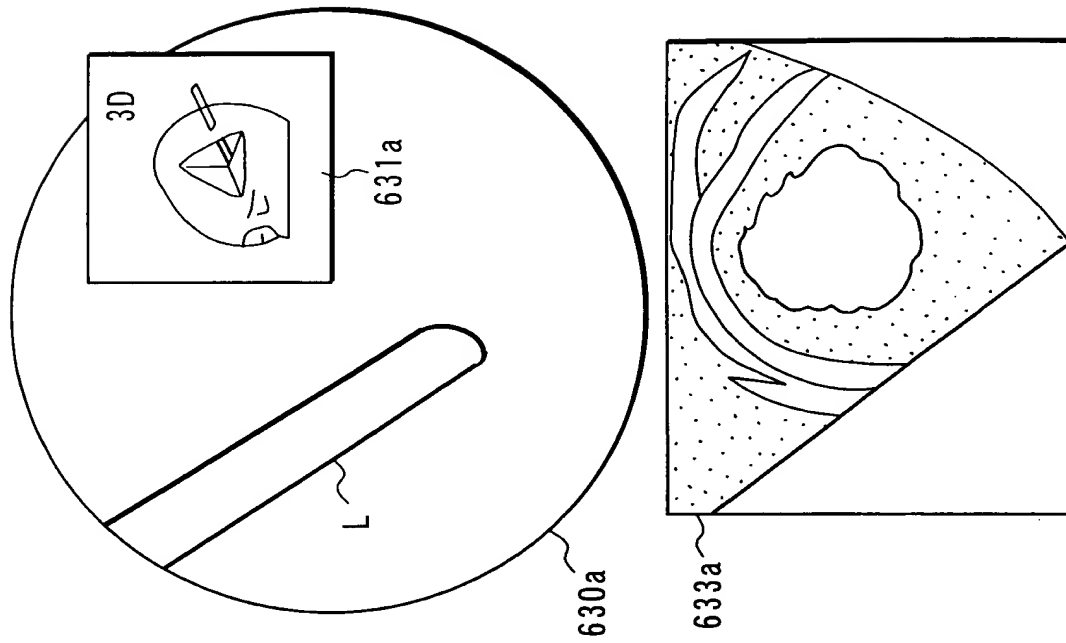


FIG. 81

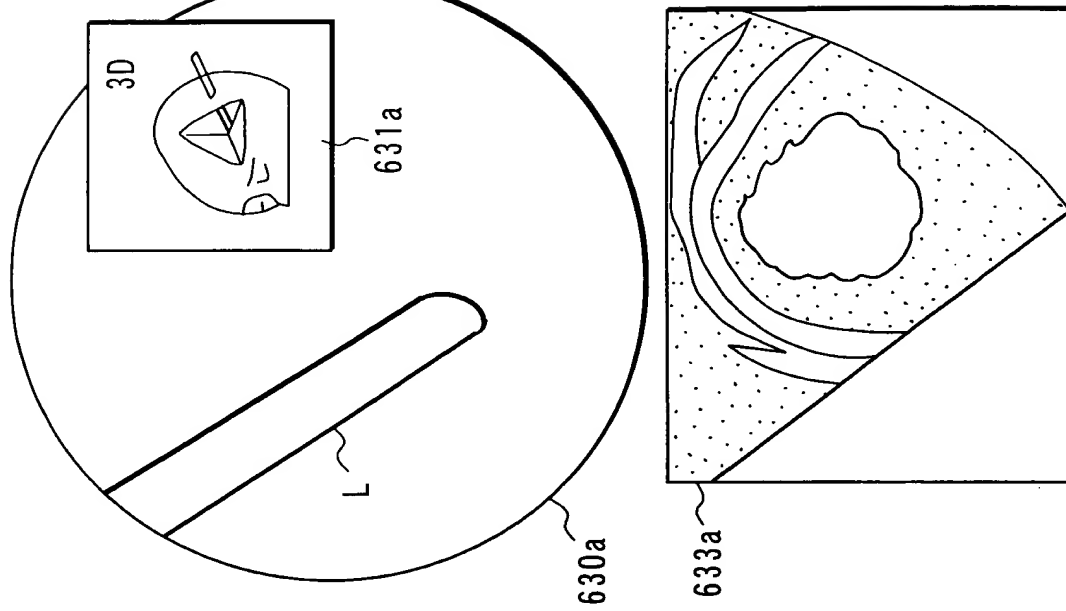
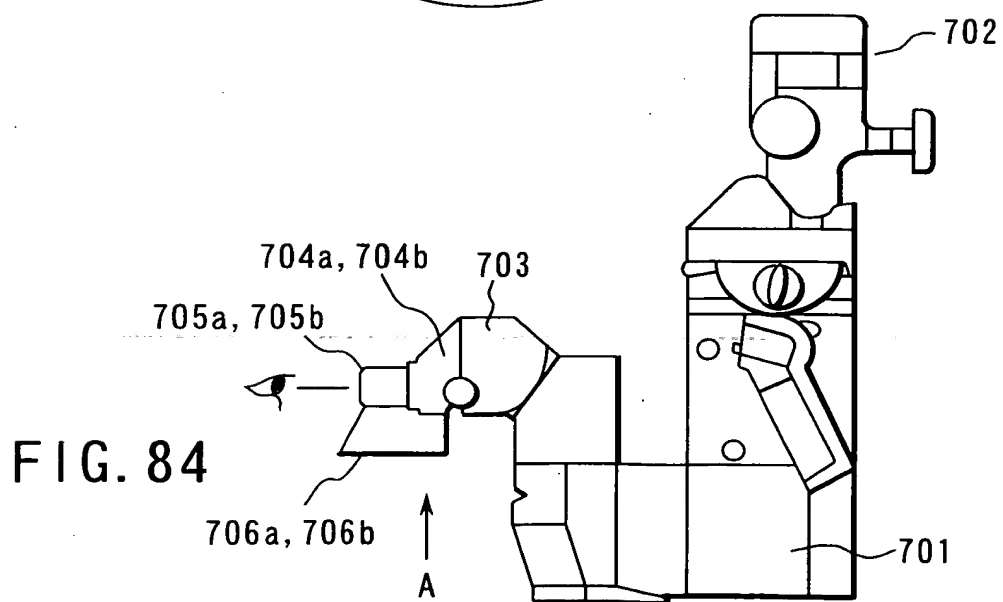
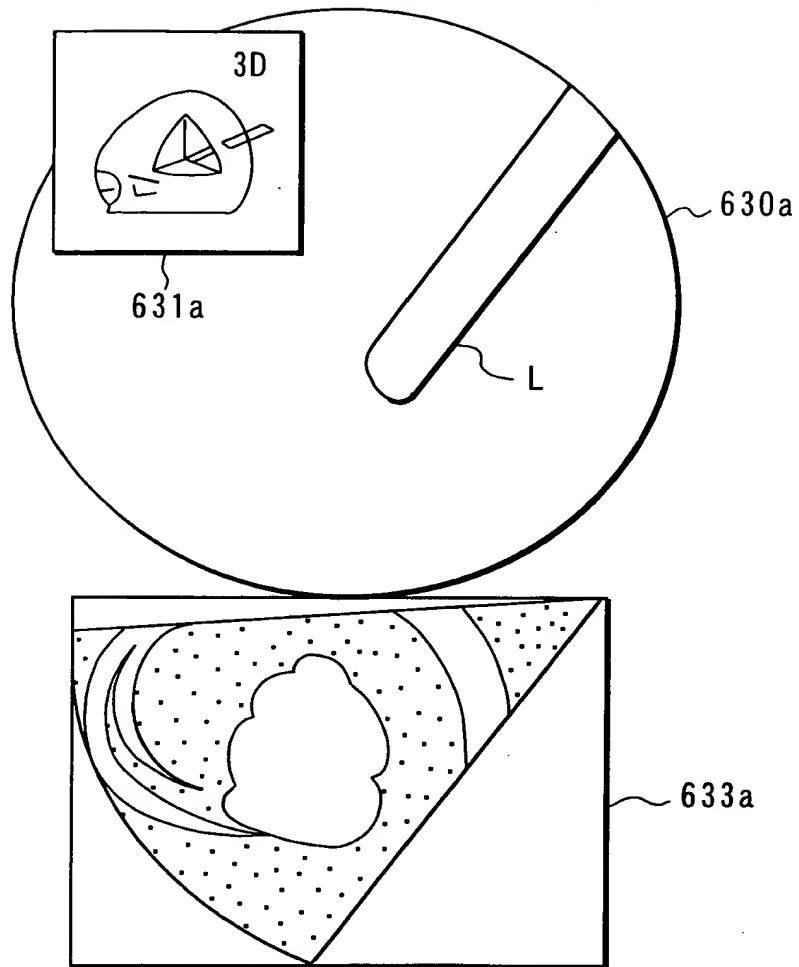


FIG. 82



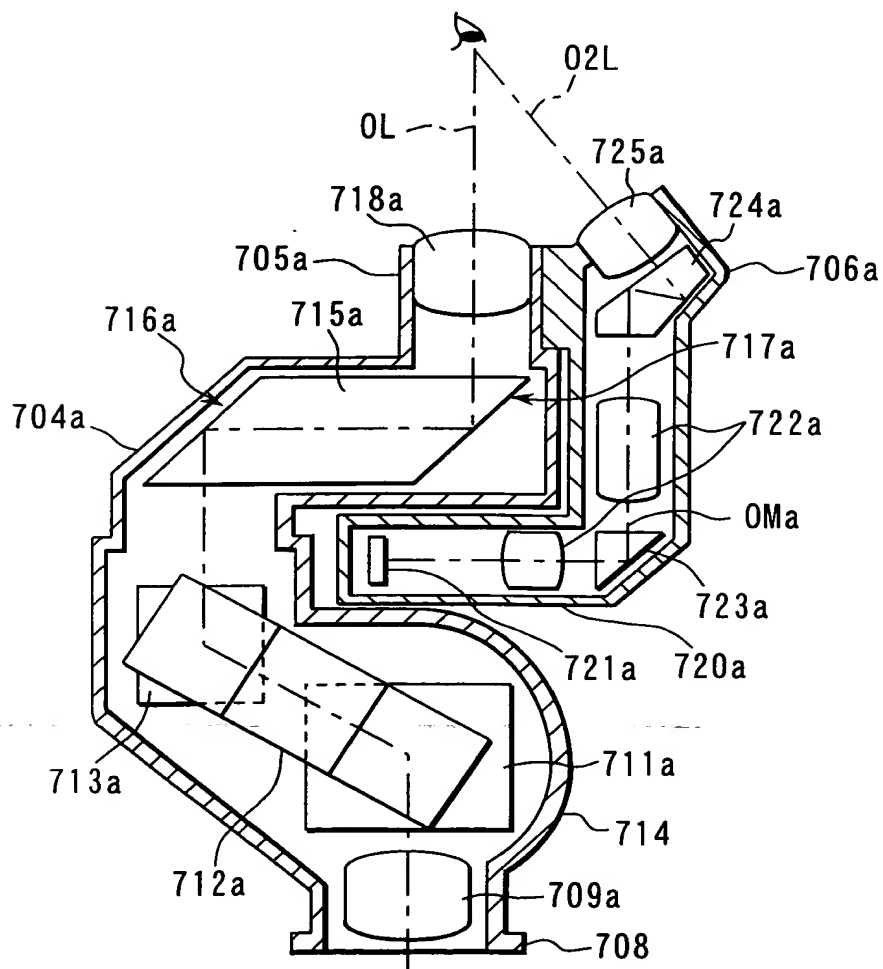


FIG. 86

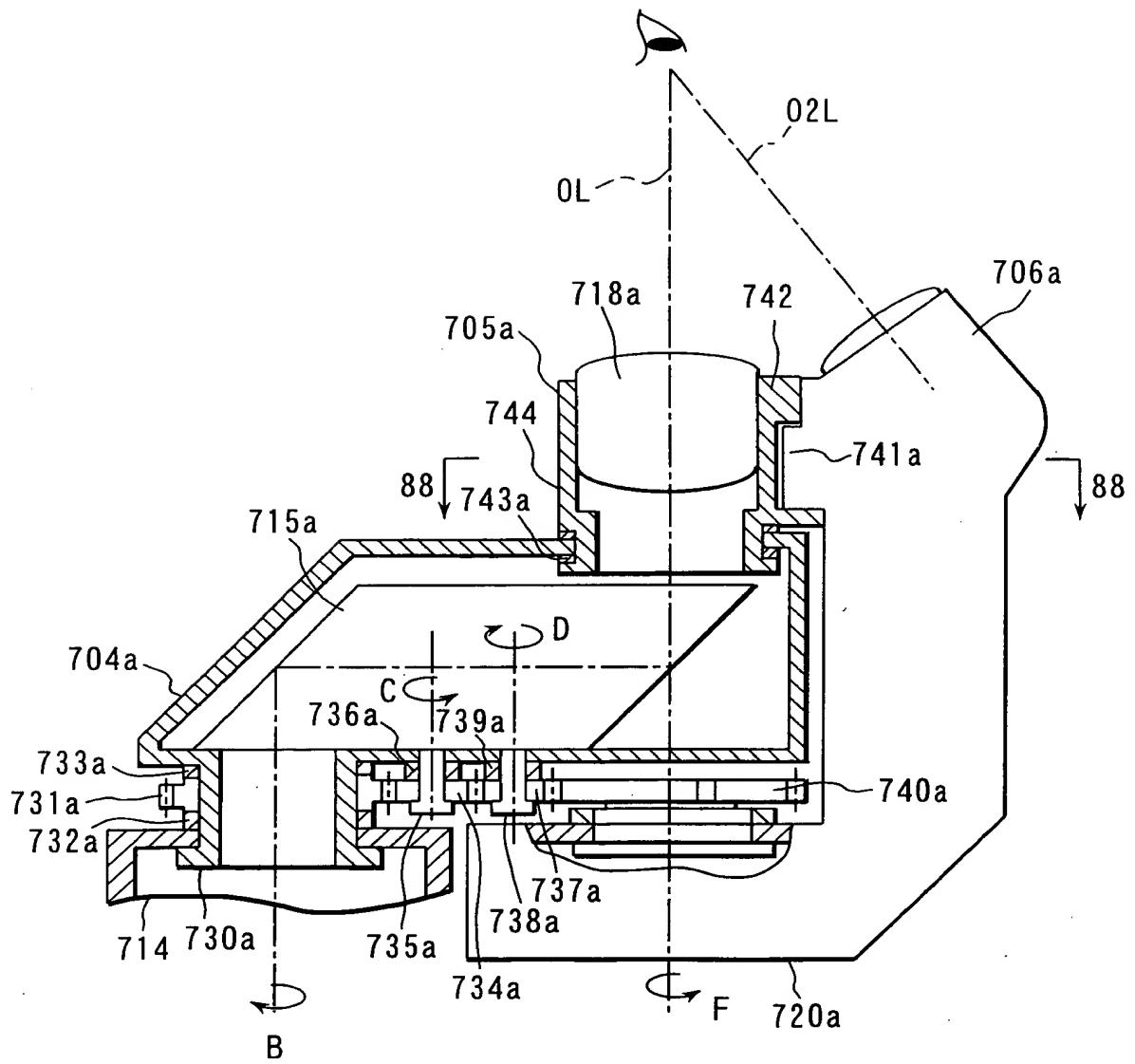


FIG. 87



FIG. 88

FIG. 88

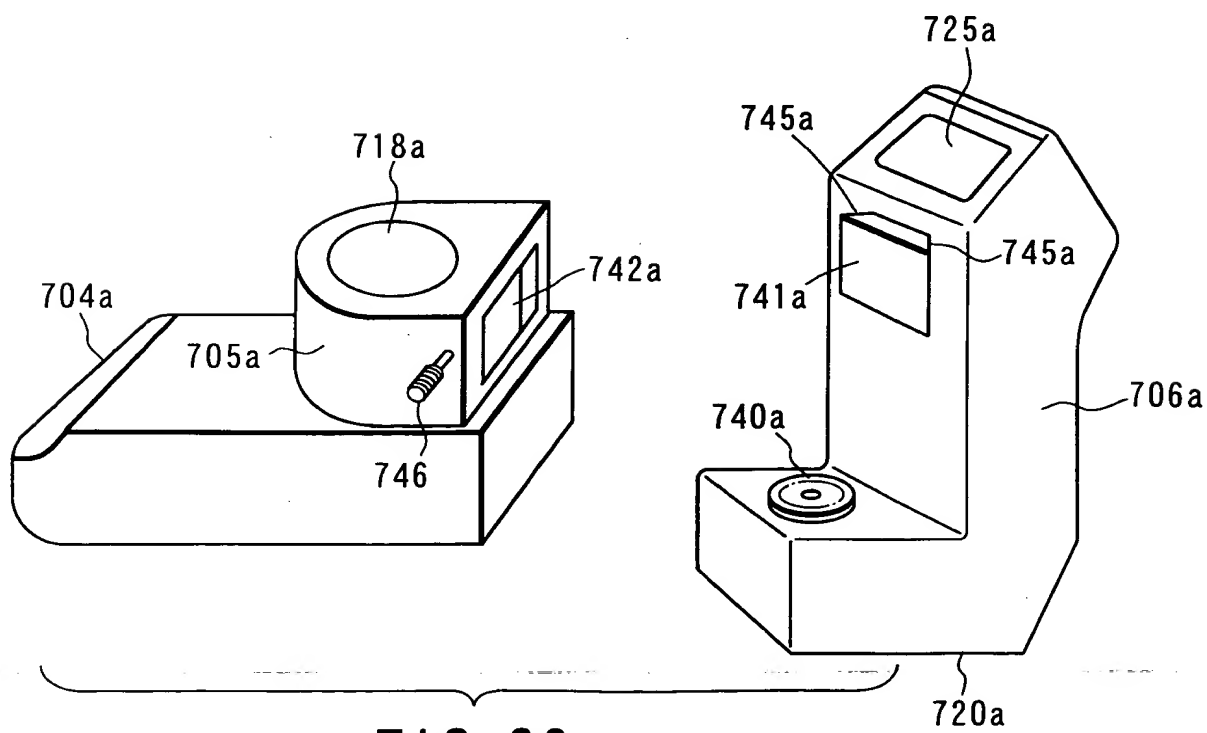
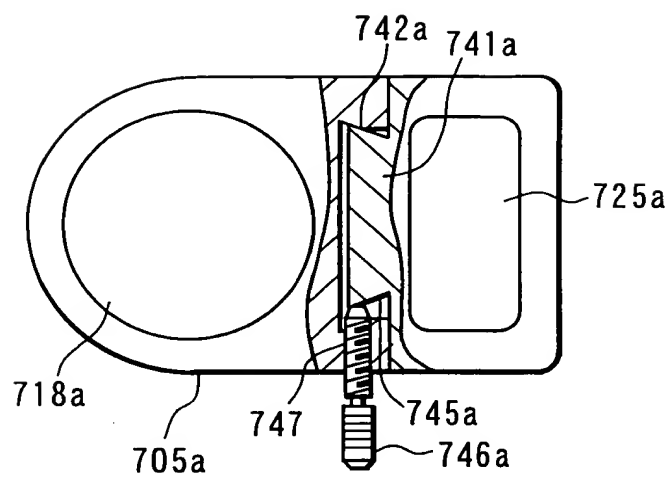


FIG. 89

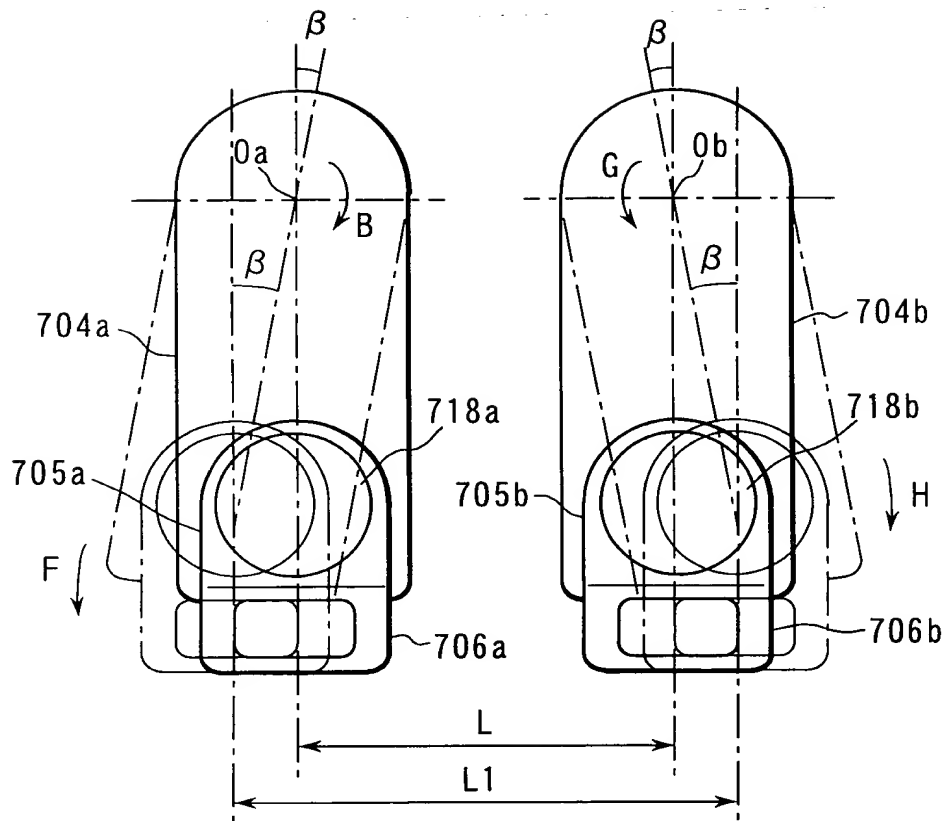


FIG. 90

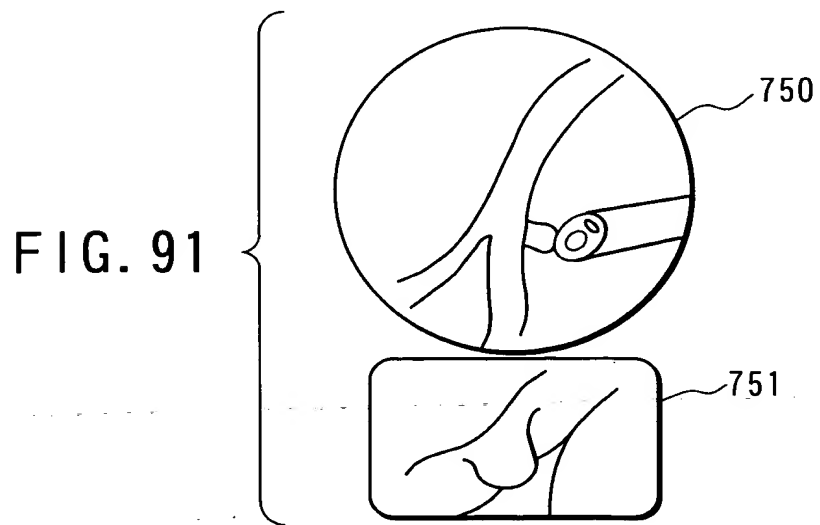


FIG. 91